



January 25, 2019

Reference No. 002012

Ms. Andri Dahlmeier  
Minnesota Pollution Control Agency  
520 Lafayette Road  
St. Paul, Minnesota 55155-4194

Dear Ms. Dahlmeier:

**Re: Proposed Modifications (Updated)  
Long-Term Groundwater Monitoring Requirements  
Operable Unit 4 Highway 96 Site  
White Bear Township, Minnesota**

On behalf of Whirlpool Corporation and Reynolds Metals Company, GHD Services Inc. (GHD) has prepared this request for the Minnesota Pollution Control Agency's (MPCA's) approval of proposed modifications to long-term groundwater monitoring requirements associated with Operable Unit 4 (OU4) of the Highway 96 Site (Site) in White Bear Township, Minnesota. This letter was previously submitted to MPCA on November 6, 2017 and has been updated to include results from routine sampling events conducted in October 2017, June 2018, and October 2018.

## 1. Background

Long-term groundwater monitoring requirements for OU4 include residential well sampling in North Oaks, Minnesota. Residential well sampling is currently conducted in accordance with:

- Section 5.2.2 of the amendment to the 1993 Minnesota Decision Document (MDD) for the Site, signed August 26, 2008.
- MPCA-approved modifications outlined in CRA's "October 2010 Residential Well Sampling Event" letter to the MPCA dated September 16, 2010 and GHD's "October 2017 Residential Well Sampling Event" letter to the MPCA dated September 20, 2017.

The current sampling frequency for each residential well location in the groundwater monitoring network for OU4 is shown on Figure 1 and listed in Table 1. Historical data summary sheets for each residential well location are provided as Attachment A.

## 2. Assessment of Residential Well Monitoring Results (2008 – 2018)

Table 1 of the 2008 MDD Amendment lists seven VOCs of potential concern (Listed VOCs) associated with long-term groundwater monitoring for OU4: vinyl chloride (VC), 1,1-dichloroethane (11DCA), trans-1,2-dichloroethene (T12DCE), benzene, methyl ethyl ketone (MEK), toluene, and 1,1,2-trichloroethene (TCE). A discussion of residential well monitoring results over the last 11-year period (since the 2008 MDD Amendment #1 was signed) for each of the Listed VOCs is presented separately in the paragraphs below.



### *Vinyl Chloride (VC)*

As summarized in the 2017 Annual Monitoring Report (GHD, March 2018) and further supported by the results from the June 2018 and October 2018 Residential Well Sampling Events (reported in GHD's letters to MPCA dated August 28, 2018 and December 18, 2018, respectively), the number of residential well locations in the southeast portion of North Oaks, west of Gilfillan Lake, that have ever had detectable concentrations of VC is limited to ten wells: 50 East Oaks Road, 2 Heron Lane, 3 Heron Lane, 1 Hummingbird Hill 2 Hummingbird Hill, 10 West Shore Road, 11 West Shore Road, 12 West Shore Road, 13 West Shore Road, and 15 West Shore Road. No new VC-impacted wells have been identified in the last six years (since May 2012)

Four of the ten VC-impacted wells (2 Heron Lane, 2 Hummingbird Hill, 12 West Shore Road, and 13 West Shore Road) have been replaced with new/deeper residential wells (see legend notes on Figure 1); the last well replacement occurred in 2013.

As for the six other VC-impacted wells (50 East Oaks Road, 3 Heron Lane, 1 Hummingbird Hill, 10 West Shore Road, 11 West Shore Road, and 15 West Shore Road), VC concentrations have remained at or below the Health Risk Limit (HRL) for VC established by the Minnesota Department of Health (MDH) (0.2 µg/L) and there have been no detections of VC for the last nine consecutive sampling events (since April 2014). Graphs of historical VC concentrations for the above-referenced residential wells are provided as Attachment B.

### *1,1-Dichloroethane (11DCA)*

Since 2008, 11DCA has been detected at 16 residential well locations in OU4 (see Attachment A). The maximum concentration of 11DCA detected during this period was 3.1 µg/L, which is well below the Risk Assessment Advice (RAA) for 11DCA established by the MDH (80 µg/L). There is no promulgated MDH HRL for 11DCA.

The detection of 11DCA in combination with VC and cis-1,2-dichloroethene (C12DCE) has been identified previously as one of two VOC fingerprints likely associated with the landfill site (see Attachment A). The detection of 11DCA in combination with dichlorodifluoromethane (DCDFM) and/or dichlorofluoromethane (DCFM) has been identified as a second VOC fingerprint likely associated with the landfill site (see Attachment A). As discussed in previous reports submitted to the MPCA, the sporadic detections of 11DCA in residential wells in OU4, in the absence of detections of other landfill fingerprint VOCs, are most likely attributed to the high concentration of residential septic systems in the southeastern portion of North Oaks.

### *Trans-1,2-Dichloroethene (T12DCE)*

T12DCE was only detected at one residential well location in OU4 over the last 11-year period (2008-2018). In October 2010, T12DCE was detected at 1 Poplar Lane at a concentration of 0.11 µg/L, which is well below the HRL for T12DCE established by the MDH (40 µg/L). There have been no detections of T12DCE in subsequent samples collected from this location. As discussed in previous reports submitted to the MPCA, it is unlikely that the isolated detection of T12DCE at 1 Poplar Lane is



related to the landfill site. Sporadic detections of low-level VOCs in residential wells in OU4 are most likely attributed to residential septic systems.

#### ***Benzene***

Benzene was not detected at any residential well location in OU4 over the last 11-year period (2008-2018).

#### ***Methyl Ethyl Ketone (MEK)***

MEK was not detected at any residential well location in OU4 over the last 11-year period (2008-2018).

#### ***Toluene***

Since 2008, toluene has been detected at six residential well locations in OU4 (see Attachment A). The maximum concentration of toluene detected during this period was 12 µg/L (4 Eagle Ridge Road), which is well below the HRL for toluene established by the MDH (200 µg/L). The most recent detection of toluene occurred in October 2014 (1.1 µg/L at 44 Robb Farm Road). As discussed in previous reports submitted to the MPCA, the sporadic detections of toluene in residential wells in OU4 may be attributed to residential septic systems.

#### ***1,1,2-Trichloroethene (TCE)***

TCE was only detected at one residential well location in OU4 over the last 11-year period (2008-2018). In October 2012, TCE was detected at 4 West Shore Road at an estimated (J) concentration of 0.051 J µg/L, which is well below the HRL for TCE established by the MDH (0.4 µg/L). There have been no detections of TCE in subsequent samples collected from this location. As discussed in previous reports submitted to the MPCA, it is unlikely that the isolated detection of TCE at 4 West Shore Road is related to the landfill site. Sporadic detections of low-level VOCs in residential wells in OU4 are most likely attributed to residential septic systems.

### **3. Proposed Modifications**

The substantial historical data set for residential wells within OU4 presented in Appendix A, along with the assessment presented in Section 2, support the following findings:

- With the exception of VC,
- No new VC-impacted wells have been identified since May 2012
- VC has not been detected at any location since April 2014
- VC has not been identified in residential wells at levels above MDH HRLs since 2012; No other Listed VOCs have ever been detected at levels above MDH HRLs.

Based on these findings, GHD proposes that the current residential well sampling frequencies associated with OU4 be updated as follows:



Current Sampling Frequency	# of Homes	Proposed Updated Sampling Frequency
Semi-Annually <i>(twice per year – April &amp; October)</i>	28	Annually <i>(once per year – October)</i>
Annually <i>(once per year – October)</i>	34	Every Five Years <i>(once every five years – October)</i>
Biennially <i>(once every two years – October, odd years)</i>	8	
Biennially <i>(once every two years – October, odd years)</i>	7	No Longer Sampled

The proposed updated sampling frequency for each residential well location is shown on Figure 2 and listed in Table 1. The updated sampling frequencies are appropriate for monitoring potential long-term (chronic) exposure to low-level concentrations of VOCs in groundwater, as supported by the information provided in Attachment A.

GHD also proposes that the Listed VOCs for OU4 be updated to remove T12DCE, benzene, MEK, toluene, and TCE, as supported by the information summarized in Section 2.

GHD requests MPCA’s approval of the proposed updates take effect beginning in 2019.

If you have any questions or require additional information, please contact us at (651) 639-0913.

Sincerely,

GHD

Sarah Illi, PE

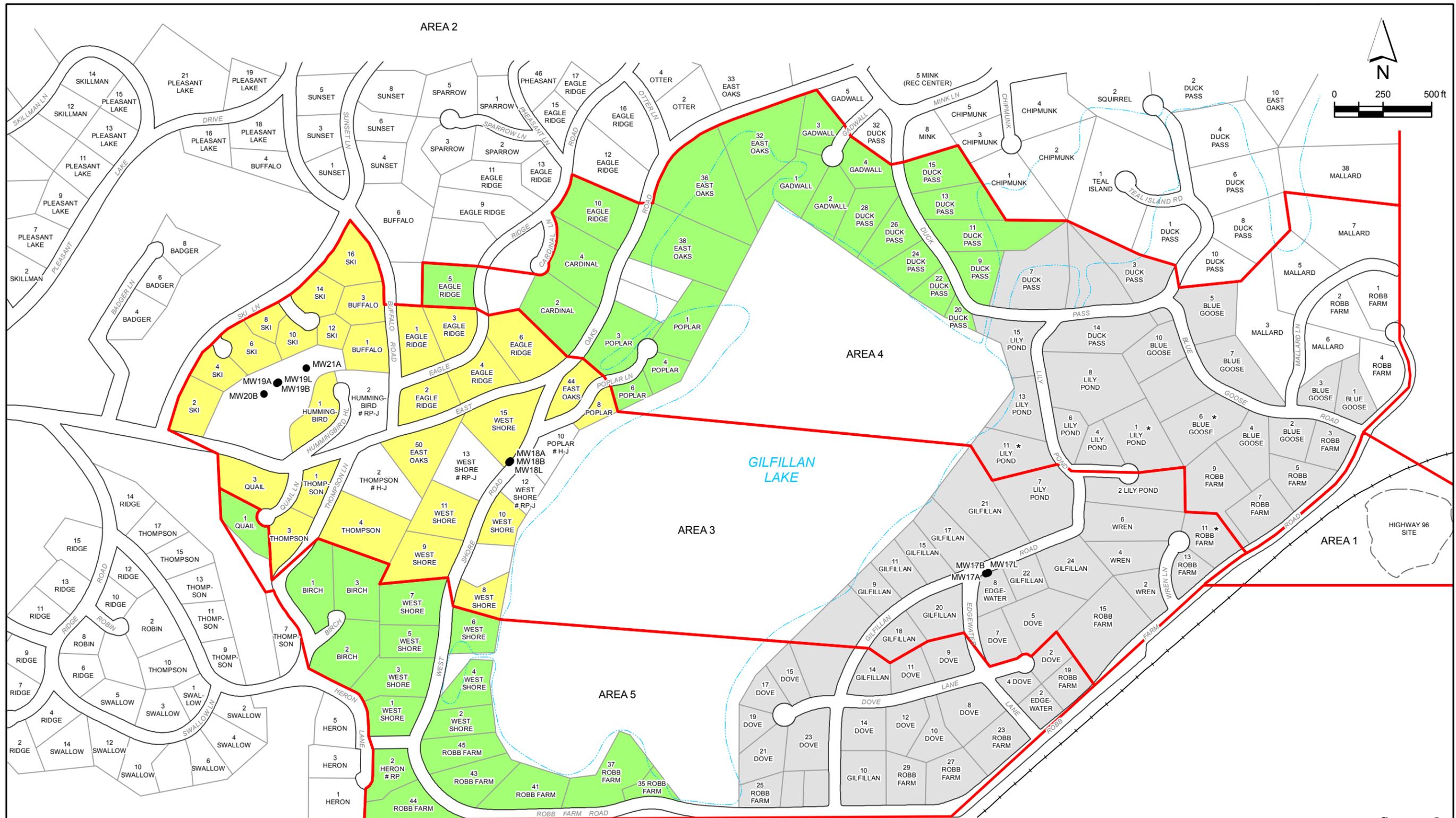
Brian Sandberg, PG

SI/md/6

Encl.

- cc: Emily Hansen, Minnesota Department of Health
- Mayor, City of North Oaks
- Mike Robertson, City of North Oaks
- Michelle Hosfield, Wenck Associates
- Highway 96 Site RP Group





**LEGEND**

- GEOGRAPHIC AREAS
- RESIDENTIAL WELL LOCATION (SAMPLED ANNUALLY - OCTOBER)
- RESIDENTIAL WELL LOCATION (SAMPLED EVERY FIVE YEARS - OCTOBER)
- CONNECTED TO MUNICIPAL WATER SUPPLY
- MONITORING WELL LOCATION (SAMPLED ANNUALLY - OCTOBER)
- CONVERTED RESIDENTIAL MONITORING WELL LOCATION (SAMPLED ANNUALLY - OCTOBER)
- # RP REPLACEMENT WELL INSTALLED BY RPs (PRAIRIE DU CHIEN AQUIFER) [OLD WELL ABANDONED]
- # RP-J REPLACEMENT WELL INSTALLED BY RPs (EXTENDED INTO JORDAN AQUIFER AT HOMEOWNERS REQUEST/EXPENSE) [OLD WELL ABANDONED]
- # H-J NEW WELL INSTALLED BY HOMEOWNER (JORDAN AQUIFER) [OLD WELL ABANDONED]

figure 2  
**PROPOSED SAMPLING FREQUENCY UPDATES**  
**RESIDENTIAL WELL NETWORK**  
**OPERABLE UNIT 4**  
**HIGHWAY 96 SITE**  
*White Bear Township, Minnesota*



**Proposed Sampling Frequency Updates  
Residential Well Network - Operable Unit 4  
Highway 96 Site  
White Bear Township, Minnesota**

<b>Location</b>	<b>Operable Unit <sup>(1)</sup></b>	<b>Geographic Area <sup>(2)</sup></b>	<b>Current Sampling Frequency <sup>(3)</sup></b>	<b>Proposed Updated Sampling Frequency <sup>(4)</sup></b>
<b>Birch Lane</b>				
1 Birch Lane	OU4	Area 5	Every Two Years	Every Five Years
2 Birch Lane	OU4	Area 5	Every Two Years	Every Five Years
3 Birch Lane	OU4	Area 5	Every Two Years	Every Five Years
<b>Buffalo Road</b>				
1 Buffalo Road	OU4	Area 3	Semi-Annually	Annually
3 Buffalo Road	OU4	Area 3	Semi-Annually	Annually
<b>Cardinal Lane</b>				
2 Cardinal Lane	OU4	Area 4	Every Two Years	Every Five Years
4 Cardinal Lane	OU4	Area 4	Every Two Years	Every Five Years
<b>Duck Pass Road</b>				
9 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
11 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
13 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
15 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
20 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
22 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
24 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
26 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
28 Duck Pass Road	OU4	Area 4	Annually	Every Five Years
<b>Eagle Ridge Road</b>				
1 Eagle Ridge Road	OU4	Area 3	Semi-Annually	Annually
2 Eagle Ridge Road	OU4	Area 3	Semi-Annually	Annually
3 Eagle Ridge Road	OU4	Area 3	Semi-Annually	Annually
4 Eagle Ridge Road	OU4	Area 3	Semi-Annually	Annually
5 Eagle Ridge Road	OU4	Area 4	Every Two Years	Every Five Years
6 Eagle Ridge Road	OU4	Area 3	Semi-Annually	Annually
10 Eagle Ridge Road	OU4	Area 4	Every Two Years	Every Five Years
<b>East Oaks Road</b>				
32 East Oaks Road	OU4	Area 4	Annually	Every Five Years
36 East Oaks Road	OU4	Area 4	Annually	Every Five Years
38 East Oaks Road	OU4	Area 4	Annually	Every Five Years
44 East Oaks Road	OU4	Area 3	Semi-Annually	Annually
50 East Oaks Road	OU4	Area 3	Semi-Annually	Annually
<b>Gadwall Lane</b>				
1 Gadwall Lane	OU4	Area 4	Annually	Every Five Years
2 Gadwall Lane	OU4	Area 4	Annually	Every Five Years
3 Gadwall Lane	OU4	Area 4	Annually	Every Five Years
4 Gadwall Lane	OU4	Area 4	Annually	Every Five Years

**Proposed Sampling Frequency Updates  
Residential Well Network - Operable Unit 4  
Highway 96 Site  
White Bear Township, Minnesota**

<b>Location</b>	<b>Operable Unit <sup>(1)</sup></b>	<b>Geographic Area <sup>(2)</sup></b>	<b>Current Sampling Frequency <sup>(3)</sup></b>	<b>Proposed Updated Sampling Frequency <sup>(4)</sup></b>
<b>Heron Lane</b>				
2 Heron Lane (New Well)	OU4	Area 5	Annually	Every Five Years
<b>Hummingbird Hill</b>				
1 Hummingbird Hill	OU4	Area 3	Semi-Annually	Annually
<b>Mallard Lane</b>				
3 Mallard Lane	OU4	Area 4	Every Two Years	No Longer Sampled
5 Mallard Lane	OU4	Area 4	Every Two Years	No Longer Sampled
6 Mallard Lane	OU4	Area 4	Every Two Years	No Longer Sampled
7 Mallard Lane	OU4	Area 4	Every Two Years	No Longer Sampled
<b>Poplar Lane</b>				
1 Poplar Lane	OU4	Area 4	Annually	Every Five Years
3 Poplar Lane	OU4	Area 4	Annually	Every Five Years
4 Poplar Lane	OU4	Area 4	Annually	Every Five Years
6 Poplar Lane	OU4	Area 4	Annually	Every Five Years
8 Poplar Lane	OU4	Area 3	Semi-Annually	Annually
<b>Quail Lane</b>				
1 Quail Lane	OU4	Area 5	Every Two Years	Every Five Years
3 Quail Lane	OU4	Area 3	Semi-Annually	Annually
<b>Robb Farm Road</b>				
1 Robb Farm Road	OU4	Area 4	Every Two Years	No Longer Sampled
2 Robb Farm Road	OU4	Area 4	Every Two Years	No Longer Sampled
4 Robb Farm Road	OU4	Area 4	Every Two Years	No Longer Sampled
35 Robb Farm Road	OU4	Area 5	Annually	Every Five Years
37 Robb Farm Road	OU4	Area 5	Annually	Every Five Years
41 Robb Farm Road	OU4	Area 5	Annually	Every Five Years
43 Robb Farm Road	OU4	Area 5	Annually	Every Five Years
44 Robb Farm Road	OU4	Area 5	Annually	Every Five Years
45 Robb Farm Road	OU4	Area 5	Annually	Every Five Years
<b>Ski Lane</b>				
2 Ski Lane	OU4	Area 3	Semi-Annually	Annually
4 Ski Lane	OU4	Area 3	Semi-Annually	Annually
6 Ski Lane	OU4	Area 3	Semi-Annually	Annually
8 Ski Lane	OU4	Area 3	Semi-Annually	Annually
10 Ski Lane	OU4	Area 3	Semi-Annually	Annually
12 Ski Lane	OU4	Area 3	Semi-Annually	Annually
14 Ski Lane	OU4	Area 3	Semi-Annually	Annually
16 Ski Lane	OU4	Area 3	Semi-Annually	Annually

**Proposed Sampling Frequency Updates  
Residential Well Network - Operable Unit 4  
Highway 96 Site  
White Bear Township, Minnesota**

<b>Location</b>	<b>Operable Unit <sup>(1)</sup></b>	<b>Geographic Area <sup>(2)</sup></b>	<b>Current Sampling Frequency <sup>(3)</sup></b>	<b>Proposed Updated Sampling Frequency <sup>(4)</sup></b>
<b>Thompson Lane</b>				
1 Thompson Lane	OU4	Area 3	Semi-Annually	Annually
3 Thompson Lane	OU4	Area 3	Semi-Annually	Annually
4 Thompson Lane	OU4	Area 3	Semi-Annually	Annually
<b>West Shore Road</b>				
1 West Shore Road	OU4	Area 5	Annually	Every Five Years
2 West Shore Road	OU4	Area 5	Annually	Every Five Years
3 West Shore Road	OU4	Area 5	Annually	Every Five Years
4 West Shore Road	OU4	Area 5	Annually	Every Five Years
5 West Shore Road	OU4	Area 5	Annually	Every Five Years
6 West Shore Road	OU4	Area 5	Annually	Every Five Years
7 West Shore Road	OU4	Area 5	Annually	Every Five Years
8 West Shore Road	OU4	Area 3	Semi-Annually	Annually
9 West Shore Road	OU4	Area 3	Semi-Annually	Annually
10 West Shore Road	OU4	Area 3	Semi-Annually	Annually
11 West Shore Road	OU4	Area 3	Semi-Annually	Annually
15 West Shore Road	OU4	Area 3	Semi-Annually	Annually

## Notes:

- (1) - As stipulated in the MPCA's MDD for the Highway 96 Site, signed October 7, 1993 and modified by subsequent amendments.
- (2) - See Site Figure(s)
- (3) - In accordance with the long-term groundwater monitoring requirements outlined in Section 5.2.2 of the MPCA's amendment to the 1993 MDD for the Highway 96 Site, signed August 26, 2008.
- (4) - Currently under review by the MPCA
- MDD - Minnesota Decision Document  
MPCA - Minnesota Pollution Control Agency

Attachment A  
Historical Data Summary Sheets  
(Residential Wells)

**Historical Sampling Summary**  
**Residential Monitoring Network - Operable Unit 4**  
**Highway 96 Site**  
**White Bear Township, Minnesota**

Location	Operable Unit <sup>(1)</sup>	Geographic Area <sup>(2)</sup>	Historical Sampling Period				Historical VOC Results					Current Sampling Frequency <sup>(5)</sup>	Proposed Updated Sampling Frequency <sup>(6)</sup>
			Earliest Sample	Most Recent Sample	Total		VOC Detections	Listed VOCs <sup>(3)</sup>	Vinyl Chloride [Last Detected]	Site Fingerprint	Detections Above HBG <sup>(4)</sup>		
					Years	Samples							
<b>Birch Lane</b>													
1 Birch Lane	OU4	Area 5	11/11/2005	10/18/2017	13	7	OTD	No	-	-	No	Every Two Years	Every Five Years
2 Birch Lane	OU4	Area 5	11/10/2005	10/18/2017	13	7	None	-	-	-	-	Every Two Years	Every Five Years
3 Birch Lane	OU4	Area 5	11/10/2005	10/18/2017	13	7	OTD	No	-	-	No	Every Two Years	Every Five Years
<b>Buffalo Road</b>													
1 Buffalo Road	OU4	Area 3	05/23/2005	10/17/2018	14	28	Yes	Yes	No	F2	No	Semi-Annually	Annually
3 Buffalo Road	OU4	Area 3	05/24/2005	10/17/2018	14	31	Yes	Yes	No	F2	No	Semi-Annually	Annually
<b>Cardinal Lane</b>													
2 Cardinal Lane	OU4	Area 4	10/10/2007	10/16/2017	11	6	OTD	Yes	No	-	No	Every Two Years	Every Five Years
4 Cardinal Lane	OU4	Area 4	10/19/2017 <sup>x</sup>	10/19/2017	1	1	None	-	-	-	-	Every Two Years	Every Five Years
<b>Duck Pass Road</b>													
9 Duck Pass Road	OU4	Area 4	07/07/1993	10/19/2018	26	16	Yes	Yes	No	F2	No	Annually	Every Five Years
11 Duck Pass Road	OU4	Area 4	07/07/1993	10/19/2018	26	10	OTD	No	-	-	No	Annually	Every Five Years
13 Duck Pass Road	OU4	Area 4	07/27/1993	10/19/2018	26	18	OTD	Yes	No	-	No	Annually	Every Five Years
15 Duck Pass Road	OU4	Area 4	08/05/1993	10/15/2018	26	16	None	-	-	-	-	Annually	Every Five Years
20 Duck Pass Road	OU4	Area 4	06/24/1993	10/19/2018	26	17	Yes	Yes	No	F2	No	Annually	Every Five Years
22 Duck Pass Road	OU4	Area 4	07/07/1993	10/19/2018	26	16	Yes	Yes	No	F2	No	Annually	Every Five Years
24 Duck Pass Road	OU4	Area 4	06/24/1993	10/19/2018	26	15	OTD	Yes	No	-	No	Annually	Every Five Years
26 Duck Pass Road	OU4	Area 4	08/05/1993	10/19/2018	26	17	None	-	-	-	-	Annually	Every Five Years
28 Duck Pass Road	OU4	Area 4	10/29/1998	10/15/2018	21	13	None	-	-	-	-	Annually	Every Five Years
<b>Eagle Ridge Road</b>													
1 Eagle Ridge Road	OU4	Area 3	03/31/2005	10/16/2018	15	29	Yes	Yes	No	F2	No	Semi-Annually	Annually
2 Eagle Ridge Road	OU4	Area 3	03/29/2005	10/16/2018	15	33	Yes	Yes	No	F2	No	Semi-Annually	Annually
3 Eagle Ridge Road	OU4	Area 3	03/30/2005	06/13/2018 <sup>*</sup>	14	19	None	-	-	-	-	Semi-Annually	Annually
4 Eagle Ridge Road	OU4	Area 3	03/29/2005	10/16/2018	15	30	OTD	Yes	No	-	No	Semi-Annually	Annually
5 Eagle Ridge Road	OU4	Area 4	10/11/2007	10/09/2013 <sup>*</sup>	7	4	None	-	-	-	-	Every Two Years	Every Five Years
6 Eagle Ridge Road	OU4	Area 3	04/01/2005	10/16/2018	15	30	OTD	No	-	-	No	Semi-Annually	Annually
10 Eagle Ridge Road	OU4	Area 4	11/09/2005	10/18/2017	13	7	None	-	-	-	-	Every Two Years	Every Five Years
<b>East Oaks Road</b>													
32 East Oaks Road	OU4	Area 4	11/03/1994	10/16/2018	25	17	None	-	-	-	-	Annually	Every Five Years
36 East Oaks Road	OU4	Area 4	08/05/1993	10/16/2018	26	18	OTD	No	-	-	No	Annually	Every Five Years
38 East Oaks Road	OU4	Area 4	06/24/1993	10/16/2018	26	18	OTD	Yes	No	-	No	Annually	Every Five Years
44 East Oaks Road	OU4	Area 3	11/03/1994	06/14/2018 <sup>*</sup>	25	30	OTD	No	-	-	No	Semi-Annually	Annually
50 East Oaks Road	OU4	Area 3	04/29/2005	10/16/2018	14	21	Yes	Yes	Yes [04/2014]	F1, F2	No	Semi-Annually	Annually
<b>Gadwall Lane</b>													
1 Gadwall Lane	OU4	Area 4	11/03/1994	10/16/2018	25	16	None	-	-	-	-	Annually	Every Five Years
2 Gadwall Lane	OU4	Area 4	11/03/1994	10/16/2018	25	16	None	-	-	-	-	Annually	Every Five Years
3 Gadwall Lane	OU4	Area 4	10/08/1997	10/16/2018	22	15	None	-	-	-	-	Annually	Every Five Years
4 Gadwall Lane	OU4	Area 4	10/09/1996	10/16/2018	23	15	Yes	No	-	-	No	Annually	Every Five Years

**Historical Sampling Summary**  
**Residential Monitoring Network - Operable Unit 4**  
**Highway 96 Site**  
**White Bear Township, Minnesota**

Location	Operable Unit <sup>(1)</sup>	Geographic Area <sup>(2)</sup>	Historical Sampling Period				Historical VOC Results					Current Sampling Frequency <sup>(5)</sup>	Proposed Updated Sampling Frequency <sup>(6)</sup>
			Earliest Sample	Most Recent Sample	Total		VOC Detections	Listed VOCs <sup>(3)</sup>	Vinyl Chloride [Last Detected]	Site Fingerprint	Detections Above HBG <sup>(4)</sup>		
					Years	Samples							
<b>Heron Lane</b>													
2 Heron Lane (New Well)	OU4	Area 5	02/18/2013	10/15/2018	7	7	Yes	Yes	No	-	No	Annually	Every Five Years
<b>Hummingbird Hill</b>													
1 Hummingbird Hill	OU4	Area 3	05/23/2005	10/25/2017 *	13	26	Yes	Yes	Yes [05/2013]	F1, F2	No	Semi-Annually	Annually
<b>Mallard Lane</b>													
3 Mallard Lane	OU4	Area 4	01/26/1994	10/16/2017	25	10	None	-	-	-	-	Every Two Years	No Longer Sampled
5 Mallard Lane	OU4	Area 4	10/29/1998	10/19/2017	20	8	None	-	-	-	-	Every Two Years	No Longer Sampled
6 Mallard Lane	OU4	Area 4	09/02/1993	10/19/2017	25	11	Yes	No	-	-	No	Every Two Years	No Longer Sampled
7 Mallard Lane	OU4	Area 4	01/26/1994	10/19/2017	25	9	None	-	-	-	-	Every Two Years	No Longer Sampled
<b>Poplar Lane</b>													
1 Poplar Lane	OU4	Area 4	08/05/1993	10/18/2018	26	18	Yes	Yes	No	-	No	Annually	Every Five Years
3 Poplar Lane	OU4	Area 4	11/03/1994	10/18/2018	25	16	None	-	-	-	-	Annually	Every Five Years
4 Poplar Lane	OU4	Area 4	09/02/1993	10/17/2017 *	25	12	OTD	Yes	No	-	No	Annually	Every Five Years
6 Poplar Lane	OU4	Area 4	08/05/1993	10/17/2017 *	25	16	OTD	No	-	-	No	Annually	Every Five Years
8 Poplar Lane	OU4	Area 3	08/05/1993	10/18/2018	26	33	OTD	Yes	No	-	No	Semi-Annually	Annually
<b>Quail Lane</b>													
1 Quail Lane	OU4	Area 5	11/10/2005	10/18/2017	13	5	OTD	No	-	-	No	Every Two Years	Every Five Years
3 Quail Lane	OU4	Area 3	11/16/2005	06/13/2018 *	14	24	None	-	-	-	-	Semi-Annually	Annually
<b>Robb Farm Road</b>													
1 Robb Farm Road	OU4	Area 4	10/27/1993	10/19/2017	25	10	None	-	-	-	-	Every Two Years	No Longer Sampled
2 Robb Farm Road	OU4	Area 4	01/26/1994	10/08/2015 *	23	8	OTD	No	-	-	No	Every Two Years	No Longer Sampled
4 Robb Farm Road	OU4	Area 4	01/26/1994	10/14/2003 *	11	3	None	-	-	-	-	Every Two Years	No Longer Sampled
35 Robb Farm Road	OU4	Area 5	09/02/1993	10/17/2017 *	25	12	OTD	Yes	No	-	No	Annually	Every Five Years
37 Robb Farm Road	OU4	Area 5	09/02/1993	10/19/2018	26	17	OTD	Yes	No	-	No	Annually	Every Five Years
41 Robb Farm Road	OU4	Area 5	09/02/1993	10/19/2018	26	14	Yes	Yes	No	-	No	Annually	Every Five Years
43 Robb Farm Road	OU4	Area 5	09/02/1993	10/19/2018	26	16	Yes	Yes	No	-	No	Annually	Every Five Years
44 Robb Farm Road	OU4	Area 5	09/02/1993	10/17/2018	26	16	Yes	Yes	No	-	No	Annually	Every Five Years
45 Robb Farm Road	OU4	Area 5	10/29/1998	10/19/2018	21	16	OTD	No	-	-	No	Annually	Every Five Years
<b>Ski Lane</b>													
2 Ski Lane	OU4	Area 3	05/23/2005	10/09/2013 *	9	20	OTD	No	-	-	No	Semi-Annually	Annually
4 Ski Lane	OU4	Area 3	05/23/2005	10/17/2018	14	29	OTD	No	-	-	No	Semi-Annually	Annually
6 Ski Lane	OU4	Area 3	05/23/2005	10/17/2018	14	31	OTD	No	-	-	No	Semi-Annually	Annually
8 Ski Lane	OU4	Area 3	05/23/2005	10/17/2018	14	27	None	-	-	-	-	Semi-Annually	Annually
10 Ski Lane	OU4	Area 3	07/06/2005	10/17/2018	14	29	Yes	Yes	No	F2	No	Semi-Annually	Annually
12 Ski Lane	OU4	Area 3	05/23/2005	10/17/2018	14	31	OTD	Yes	No	-	No	Semi-Annually	Annually
14 Ski Lane	OU4	Area 3	05/24/2005	10/17/2018	14	30	Yes	Yes	No	-	No	Semi-Annually	Annually
16 Ski Lane	OU4	Area 3	05/24/2005	10/17/2018	14	31	OTD	No	-	-	No	Semi-Annually	Annually

**Historical Sampling Summary  
Residential Monitoring Network - Operable Unit 4  
Highway 96 Site  
White Bear Township, Minnesota**

Location	Operable Unit <sup>(1)</sup>	Geographic Area <sup>(2)</sup>	Historical Sampling Period				Historical VOC Results					Current Sampling Frequency <sup>(5)</sup>	Proposed Updated Sampling Frequency <sup>(6)</sup>
			Earliest Sample	Most Recent Sample	Total		VOC Detections	Listed VOCs <sup>(3)</sup>	Vinyl Chloride [Last Detected]	Site Fingerprint	Detections Above HBG <sup>(4)</sup>		
					Years	Samples							
<b>Thompson Lane</b>													
1 Thompson Lane	OU4	Area 3	04/01/2005	10/18/2018	15	32	Yes	Yes	No	-	Yes <sup>T</sup>	Semi-Annually	Annually
3 Thompson Lane	OU4	Area 3	03/28/2005	10/18/2018	15	26	Yes	Yes	No	-	No	Semi-Annually	Annually
4 Thompson Lane	OU4	Area 3	08/30/2005	10/18/2018	14	20	None	-	-	-	-	Semi-Annually	Annually
<b>West Shore Road</b>													
1 West Shore Road	OU4	Area 5	10/08/1997	10/15/2018	22	17	OTD	No	-	-	No	Annually	Every Five Years
2 West Shore Road	OU4	Area 5	09/02/1993	10/19/2018	26	17	OTD	Yes	No	-	No	Annually	Every Five Years
3 West Shore Road	OU4	Area 5	10/26/1995	10/18/2018	24	15	OTD	No	-	-	No	Annually	Every Five Years
4 West Shore Road	OU4	Area 5	08/05/1993	10/18/2018	26	17	OTD	Yes	No	-	No	Annually	Every Five Years
5 West Shore Road	OU4	Area 5	10/10/1996	10/17/2017 *	22	16	OTD ^	No	-	-	No	Annually	Every Five Years
6 West Shore Road	OU4	Area 5	08/05/1993	10/18/2018	26	17	None	-	-	-	-	Annually	Every Five Years
7 West Shore Road	OU4	Area 5	10/26/1995	10/18/2018	24	14	None	-	-	-	-	Annually	Every Five Years
8 West Shore Road	OU4	Area 3	09/02/1993	10/19/2018	26	25	Yes	Yes	No	-	No	Semi-Annually	Annually
9 West Shore Road	OU4	Area 3	10/27/1993	10/18/2018	26	33	OTD	No	No	-	No	Semi-Annually	Annually
10 West Shore Road	OU4	Area 3	08/05/1993	10/19/2018	26	42	Yes	Yes	Yes [04/2014]	F1, F2	No	Semi-Annually	Annually
11 West Shore Road	OU4	Area 3	10/27/1993	10/18/2018	26	42	Yes	Yes	Yes [04/2014]	F1, F2	No	Semi-Annually	Annually
15 West Shore Road	OU4	Area 3	10/27/1993	10/18/2018	26	40	Yes	Yes	Yes [04/2014]	F1, F2	No	Semi-Annually	Annually

Notes:

- (1) - As stipulated in the MPCA's MDD for the Highway 96 Site, signed October 7, 1993, and modified by subsequent amendments.
- (2) - See Site Figure(s)
- (3) - As listed in Table 1 of the MPCA's amendment to the 1993 MDD for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene, vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl ketone)
- (4) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (5) - In accordance with the long-term groundwater monitoring requirements outlined in Section 5.2.2 of the MPCA's amendment to the 1993 MDD for the Highway 96 Site, signed August 26, 2008.
- (6) - Currently under review by the MPCA
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDD - Minnesota Decision Document
- MPCA - Minnesota Pollution Control Agency
- OTD - One-Time Detection(s)
- VOCs - Volatile Organic Compounds
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- ^ - Estimated detections of vinyl chloride and trans-1,2-dichloroethene in October 2008 were determined to be laboratory carryover (false detection error)
- F1 - Highway 96 Site Fingerprint 1 (Vinyl Chloride + cis-1,2-Dichloroethene + 1,1-Dichloroethane)
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- T - Samples collected during the period from 2005-2009 reflect post-treated groundwater (in-home chlornation system).
- x - Resident declined previous sampling requests (October 2007 through October 2015).

**1 Birch Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	11/11/2005
Most Recent Sample	10/18/2017
Sample Period (Years)	13
Number of Sample Events	7

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	10/8/2007	0.8 J	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**2 Birch Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	11/10/2005
Most Recent Sample	10/18/2017
Sample Period (Years)	13
Number of Sample Events	7

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**3 Birch Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	11/10/2005
Most Recent Sample	10/18/2017
Sample Period (Years)	13
Number of Sample Events	7

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	11/10/2005	0.59 PP	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 PP - Estimated Result (peak present below laboratory reporting limit)  
 VOCs - Volatile Organic Compounds

**1 Buffalo Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/23/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	28

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane <sup>F2</sup>	Yes	8	6/13/2018	0.28 J	80	No
Acetone	No	1	4/22/2014	2.7	3000	No
Dichlorodifluoromethane <sup>F2</sup>	No	3	4/22/2014	0.68	500	No
Dichlorofluoromethane <sup>F2</sup>	No	1	4/16/2012	0.32 J	20	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**3 Buffalo Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/24/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	31

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane	F2	7	10/17/2018	0.2 J	80	No
Dichlorodifluoromethane	F2	4	10/9/2013	0.6	500	No
Dichlorofluoromethane	F2	2	4/16/2012	0.3 J	20	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl ketone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Health Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**2 Cardinal Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	10/10/2007
Most Recent Sample	10/16/2017
Sample Period (Years)	11
Number of Sample Events	6

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane	Yes	1	10/9/2013	0.16 J	80	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**4 Cardinal Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	10/19/2017 <sup>x</sup>
Most Recent Sample	10/19/2017
Sample Period (Years)	1
Number of Sample Events	1

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- <sup>(1)</sup> - See Site Figure(s)
  - <sup>(2)</sup> - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - <sup>(3)</sup> - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - <sup>(4)</sup> - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - <sup>(5)</sup> - Currently under review by the MPCA
  - <sup>x</sup> - Resident declined previous sampling requests (October 2007 through October 2015).
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**9 Duck Pass Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	7/7/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane <sup>F2</sup>	Yes	13	10/19/2018	0.72	80	No
Chloromethane	No	1	10/18/2016	0.53	None	--
Dichlorodifluoromethane <sup>F2</sup>	No	12	10/19/2017	1.7	500	No
Dichlorofluoromethane <sup>F2</sup>	No	5	10/3/2011	0.51	20	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**11 Duck Pass Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	7/7/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	10

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Isopropylbenzene	No	1	10/12/1999	0.53 J	300	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

<b>13 Duck Pass Road</b>
--------------------------

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	7/27/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	18

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloroform	No	1	11/3/1994	0.22	20	No
Chloromethane	No	1	10/18/2016	0.67	None	--
Toluene	Yes	1	7/27/1993	0.47	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl ketone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**15 Duck Pass Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	8/5/1993
Most Recent Sample	10/15/2018
Sample Period (Years)	26
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

<b>20 Duck Pass Road</b>
--------------------------

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	6/24/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	17

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG	
1,1-Dichloroethane	F2	Yes	11	10/19/2018	0.79	80	No
Dichlorodifluoromethane	F2	No	12	10/19/2018	3.1	500	No
Dichlorofluoromethane	F2	No	8	10/29/2017	1.2	20	No
Isopropylbenzene	No	No	1	10/12/1999	0.46	300	No
Toluene	Yes	Yes	1	6/24/1993	0.4	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**22 Duck Pass Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	7/7/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane	F2 Yes	13	10/19/2018	3.1	80	No
Chloroform	No	1	10/21/2008	1.4	20	No
Chloromethane	No	1	11/21/2005	0.63 PP	None	--
Dichlorodifluoromethane	F2 No	13	10/19/2018	8.1	500	No
Dichlorofluoromethane	F2 No	12	10/18/2016	2.4	20	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- PP - Estimated Result (peak present below laboratory reporting limit)
- VOCs - Volatile Organic Compounds

**24 Duck Pass Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	6/24/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	15

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	10/18/2016	0.92	None	--
Toluene	Yes	1	6/24/1993	0.27	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**26 Duck Pass Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	8/5/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	17

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**28 Duck Pass Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	10/29/1998
Most Recent Sample	10/15/2018
Sample Period (Years)	21
Number of Sample Events	13

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**1 Eagle Ridge Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	3/31/2005
Most Recent Sample	10/16/2018
Sample Period (Years)	15
Number of Sample Events	29

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane	F2 Yes	3	4/22/2014	0.17 J	80	No
Acetone	No	1	6/13/2018	7.9	3000	No
Chloromethane	No	1	10/19/2016	0.59 J	None	--
Dichlorodifluoromethane	F2 No	2	5/22/2013	0.57	500	No
Dichlorofluoromethane	F2 No	1	4/16/2012	0.19 J	20	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- <sup>(1)</sup> - See Site Figure(s)
- <sup>(2)</sup> - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- <sup>(3)</sup> - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- <sup>(4)</sup> - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- <sup>(5)</sup> - Currently under review by the MPCA
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**2 Eagle Ridge Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	3/29/2005
Most Recent Sample	10/16/2018
Sample Period (Years)	15
Number of Sample Events	33

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane <span style="float: right;">F2</span>	Yes	4	4/22/2014	0.13 J	80	No
1,2,3-Trichlorobenzene	No	1	4/16/2012	0.19 J	None	--
1,2,4-Trimethylbenzene	No	1	4/16/2012	0.17 J	100	No
Chloromethane	No	1	10/17/2012	0.14 J	None	--
Dichlorodifluoromethane <span style="float: right;">F2</span>	No	1	4/16/2012	0.4 J	500	No
Dichlorofluoromethane <span style="float: right;">F2</span>	No	1	4/16/2012	0.22 J	20	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- <sup>(1)</sup> - See Site Figure(s)
- <sup>(2)</sup> - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl ketone).
- <sup>(3)</sup> - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- <sup>(4)</sup> - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- <sup>(5)</sup> - Currently under review by the MPCA
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**3 Eagle Ridge Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	3/30/2005
Most Recent Sample	6/13/2018 *
Sample Period (Years)	14
Number of Sample Events	19

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**4 Eagle Ridge Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	3/29/2005
Most Recent Sample	10/16/2018
Sample Period (Years)	15
Number of Sample Events	30

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Acetone	No	1	5/22/2013	3.4	3000	No
Toluene	Yes	1	10/6/2009	12	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**5 Eagle Ridge Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	10/11/2007
Most Recent Sample	10/9/2013 *
Sample Period (Years)	7
Number of Sample Events	4

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**6 Eagle Ridge Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	4/1/2005
Most Recent Sample	10/16/2018
Sample Period (Years)	15
Number of Sample Events	30

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Acetone	No	1	5/22/2013	3.7	3000	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**10 Eagle Ridge Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	11/9/2005
Most Recent Sample	10/18/2017
Sample Period (Years)	13
Number of Sample Events	7

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**32 East Oaks Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	11/3/1994
Most Recent Sample	10/16/2018
Sample Period (Years)	25
Number of Sample Events	17

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**36 East Oaks Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	8/5/1993
Most Recent Sample	10/16/2018
Sample Period (Years)	26
Number of Sample Events	18

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1,2-Trichlorotrifluoroethane	No	1	8/5/1993	0.055	200000	No
Chloromethane	No	1	11/9/2005	0.84 PP	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 PP - Estimated Result (peak present below laboratory reporting limit)  
 VOCs - Volatile Organic Compounds

38 East Oaks Road
-------------------

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	6/24/1993
Most Recent Sample	10/16/2018
Sample Period (Years)	26
Number of Sample Events	18

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Isopropylbenzene	No	1	10/12/1999	0.44	300	No
Toluene	Yes	1	6/24/1993	0.19	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**44 East Oaks Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	11/3/1994
Most Recent Sample	6/14/2018 *
Sample Period (Years)	25
Number of Sample Events	30

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Acetone	No	1	5/20/2013	3	3000	No
Isopropylbenzene	No	1	10/12/1999	0.22	300	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
  - \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**50 East Oaks Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	4/29/2005
Most Recent Sample	10/16/2018
Sample Period (Years)	14
Number of Sample Events	21

Detection(s) of Vinyl Chloride	Yes
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane <sup>F1, F2</sup>	Yes	8	4/27/2017	0.28	80	No
1,2,4-Trichlorobenzene	No	1	4/19/2012	0.15 J	4	No
1,2,4-Trimethylbenzene	No	1	4/19/2012	0.17 J	100	No
1,3,5-Trimethylbenzene	No	1	4/19/2012	0.16 J	100	No
2-Chlorotoluene	No	1	4/19/2012	0.11 J	None	--
4-Chlorotoluene	No	1	4/19/2012	0.13 J	None	--
Chloromethane	No	1	10/18/2016	0.73	None	--
cis-1,2-Dichloroethene <sup>F1</sup>	No	7	6/14/2018	0.27	6	No
Dichlorofluoromethane <sup>F2</sup>	No	1	4/19/2012	0.11 J	20	No
Isopropylbenzene	No	1	4/19/2012	0.1 J	300	No
m/p-Xylene	No	1	4/19/2012	0.1 J	300	No
n-Butylbenzene	No	1	4/19/2012	0.2 J	None	--
sec-Butylbenzene	No	1	4/19/2012	0.19 J	None	--
Vinyl chloride <sup>F1</sup>	Yes	4	4/24/2014	0.18 J	0.2	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- <sup>(1)</sup> - See Site Figure(s)
- <sup>(2)</sup> - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl ketone).
- <sup>(3)</sup> - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- <sup>(4)</sup> - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- <sup>(5)</sup> - Currently under review by the MPCA
- F1 - Highway 96 Site Fingerprint 1 (Vinyl Chloride + cis-1,2-Dichloroethene + 1,1-Dichloroethane)
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**1 Gadwall Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	11/3/1994
Most Recent Sample	10/16/2018
Sample Period (Years)	25
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**2 Gadwall Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	11/3/1994
Most Recent Sample	10/16/2018
Sample Period (Years)	25
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**3 Gadwall Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	10/8/1997
Most Recent Sample	10/16/2018
Sample Period (Years)	22
Number of Sample Events	15

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**4 Gadwall Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	10/9/1996
Most Recent Sample	10/16/2018
Sample Period (Years)	23
Number of Sample Events	15

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	2	10/20/2016	0.97 PP	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 PP - Estimated Result (peak present below laboratory reporting limit)  
 VOCs - Volatile Organic Compounds

**2 Heron Lane (New Well)**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	2/18/2013
Most Recent Sample	10/15/2018
Sample Period (Years)	7
Number of Sample Events	7

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane	Yes	2	10/8/2013	0.15 J	80	No
Toluene	Yes	1	5/20/2013	0.58	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

1 Hummingbird Hill

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/23/2005
Most Recent Sample	10/25/2017 *
Sample Period (Years)	13
Number of Sample Events	26

Detection(s) of Vinyl Chloride	Yes
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane F1, F2	Yes	6	4/24/2014	0.11 J	80	No
Acetone	No	2	4/24/2014	7.1 J	3000	No
Chloromethane	No	2	10/12/2012	0.14 J	None	--
cis-1,2-Dichloroethene F1	No	1	10/12/2012	0.058 J	6	No
Dichlorodifluoromethane F2	No	1	4/17/2012	0.14 J	500	No
Dichlorofluoromethane F2	No	1	4/17/2012	0.1 J	20	No
Methyl ethyl ketone	Yes	1	5/23/2005	6 J	4000	No
Vinyl chloride F1	Yes	3	5/22/2013	0.08 J	0.2	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- <sup>(1)</sup> - See Site Figure(s)
- <sup>(2)</sup> - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl ketone).
- <sup>(3)</sup> - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- <sup>(4)</sup> - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- <sup>(5)</sup> - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- F1 - Highway 96 Site Fingerprint 1 (Vinyl Chloride + cis-1,2-Dichloroethene + 1,1-Dichloroethane)
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**3 Mallard Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	1/26/1994
Most Recent Sample	10/16/2017
Sample Period (Years)	25
Number of Sample Events	10

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	No Longer Sampled

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**5 Mallard Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	10/29/1998
Most Recent Sample	10/19/2017
Sample Period (Years)	20
Number of Sample Events	8

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	No Longer Sampled

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**6 Mallard Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	9/2/1993
Most Recent Sample	10/19/2017
Sample Period (Years)	25
Number of Sample Events	11

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	2	11/22/2005	1.1	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	No Longer Sampled

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**7 Mallard Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	1/26/1994
Most Recent Sample	10/19/2017
Sample Period (Years)	25
Number of Sample Events	9

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	No Longer Sampled

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**1 Poplar Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	8/5/1993
Most Recent Sample	10/18/2018
Sample Period (Years)	26
Number of Sample Events	18

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	2	10/18/2016	0.6	None	--
trans-1,2-Dichloroethene	Yes	1	10/5/2010	0.11	40	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**3 Poplar Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	11/3/1994
Most Recent Sample	10/18/2018
Sample Period (Years)	25
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**4 Poplar Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	9/2/1993
Most Recent Sample	10/17/2017 *
Sample Period (Years)	25
Number of Sample Events	12

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Toluene	Yes	1	9/2/1993	0.39	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**6 Poplar Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	8/5/1993
Most Recent Sample	10/17/2017 *
Sample Period (Years)	25
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1,2-Trichlorotrifluoroethane	No	1	8/5/1993	0.13	200000	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**8 Poplar Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	8/5/1993
Most Recent Sample	10/18/2018
Sample Period (Years)	26
Number of Sample Events	33

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1,2-Trichlorotrifluoroethane	No	1	8/5/1993	0.052	200000	No
Acetone	No	1	5/20/2013	3.6	3000	No
Chloromethane	No	1	10/17/2016	0.82	None	--
Toluene	Yes	1	8/5/1993	1	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**1 Quail Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	11/10/2005
Most Recent Sample	10/18/2017
Sample Period (Years)	13
Number of Sample Events	5

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	11/10/2005	0.51 PP	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 PP - Estimated Result (peak present below laboratory reporting limit)  
 VOCs - Volatile Organic Compounds

**3 Quail Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	11/16/2005
Most Recent Sample	6/13/2018 *
Sample Period (Years)	14
Number of Sample Events	24

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency

**1 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	10/27/1993
Most Recent Sample	10/19/2017
Sample Period (Years)	25
Number of Sample Events	10

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	No Longer Sampled

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**2 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	1/26/1994
Most Recent Sample	10/8/2015 *
Sample Period (Years)	23
Number of Sample Events	8

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1,2-Trichloroethane	No	1	10/10/2007	0.3	3	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	No Longer Sampled

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**4 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 4
Earliest Sample	1/26/1994
Most Recent Sample	10/14/2003 *
Sample Period (Years)	11
Number of Sample Events	3

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Every Two Years
Proposed Updated Sampling Frequency <sup>(5)</sup>	No Longer Sampled

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**35 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	9/2/1993
Most Recent Sample	10/17/2017 *
Sample Period (Years)	25
Number of Sample Events	12

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	9/2/1993	0.64	None	--
Methyl ethyl ketone	Yes	1	6/27/2005	5.34 J	4000	No
Toluene	Yes	1	9/2/1993	0.66	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
  - \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**37 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	9/2/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	17

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
2,2-Dichloropropane	No	1	10/17/2017	1	None	--
Toluene	Yes	1	9/2/1993	0.41	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**41 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	9/2/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	14

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	10/17/2016	1	None	--
Toluene	Yes	2	6/27/2005	1.7	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**43 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	9/2/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	10/17/2016	0.7	None	--
Toluene	Yes	2	6/27/2005	0.48	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**44 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	9/2/1993
Most Recent Sample	10/17/2018
Sample Period (Years)	26
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Methyl ethyl ketone	Yes	1	6/27/2005	7.37 J	4000	No
Toluene	Yes	2	10/8/2014	1.1	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**45 Robb Farm Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	10/29/1998
Most Recent Sample	10/19/2018
Sample Period (Years)	21
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	10/17/2016	0.6	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**2 Ski Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/23/2005
Most Recent Sample	10/9/2013 *
Sample Period (Years)	9
Number of Sample Events	20

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	11/16/2005	0.55 PP	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
- HBG - Heath Based Guidance
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- PP - Estimated Result (peak present below laboratory reporting limit)
- VOCs - Volatile Organic Compounds

**4 Ski Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/23/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	29

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	11/9/2005	0.63 PP	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 PP - Estimated Result (peak present below laboratory reporting limit)  
 VOCs - Volatile Organic Compounds

**6 Ski Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/23/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	31

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Dichlorofluoromethane	No	1	4/16/2012	0.06 J	20	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**8 Ski Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/23/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	27

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**10 Ski Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	7/6/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	29

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane <sup>F2</sup>	Yes	4	4/22/2014	0.1 J	80	No
Chloromethane	No	1	11/14/2005	0.66 PP	None	--
Dichlorodifluoromethane <sup>F2</sup>	No	3	4/16/2012	0.58 J	500	No
Dichlorofluoromethane <sup>F2</sup>	No	1	4/16/2012	0.22 J	20	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- PP - Estimated Result (peak present below laboratory reporting limit)
- VOCs - Volatile Organic Compounds

**12 Ski Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/23/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	31

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Acetone	No	1	5/20/2013	2.8	3000	No
Chloromethane	No	1	10/9/2007	0.5 J	None	--
Methyl ethyl ketone	Yes	1	5/23/2005	6 J	4000	No
Toluene	Yes	1	4/26/2010	0.2 J	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**14 Ski Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/24/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	30

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane	Yes	2	10/17/2012	0.071 J	80	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**16 Ski Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	5/24/2005
Most Recent Sample	10/17/2018
Sample Period (Years)	14
Number of Sample Events	31

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	2/21/2006	0.75 J	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**1 Thompson Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	4/1/2005
Most Recent Sample	10/18/2018
Sample Period (Years)	15
Number of Sample Events	32

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Benzene	Yes	1	6/27/2005	0.1 J	2	No
Bromodichloromethane <sup>T</sup>	No	7	10/7/2009	6.4	3	Yes <sup>T</sup>
Bromoform <sup>T</sup>	No	1	10/7/2009	0.5 J	40	No
Chloroform <sup>T</sup>	No	8	10/7/2009	15	20	No
Dibromochloromethane <sup>T</sup>	No	5	10/15/2008	2.2	10	No
Dichlorodifluoromethane	No	2	10/6/2015	1	500	No
Methyl ethyl ketone	Yes	1	5/23/2005	6 J	4000	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- <sup>(1)</sup> - See Site Figure(s)
- <sup>(2)</sup> - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- <sup>(3)</sup> - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- <sup>(4)</sup> - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- <sup>(5)</sup> - Currently under review by the MPCA
- <sup>T</sup> - Samples collected during the period from 2005-2009 reflect post-treated groundwater (in-home chlornation system).
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**3 Thompson Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	3/28/2005
Most Recent Sample	10/18/2018
Sample Period (Years)	15
Number of Sample Events	26

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Toluene	Yes	3	4/21/2009	1.2	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**4 Thompson Lane**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	8/30/2005
Most Recent Sample	10/18/2018
Sample Period (Years)	14
Number of Sample Events	20

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**1 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	10/8/1997
Most Recent Sample	10/15/2018
Sample Period (Years)	22
Number of Sample Events	17

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
n-Butylbenzene	No	1	10/8/1997	0.34	None	--
sec-Butylbenzene	No	1	10/8/1997	0.26	None	--
Trichlorofluoromethane	No	1	10/8/1997	0.21	2000	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**2 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	9/2/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	17

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Toluene	Yes	1	9/2/1993	0.67	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**3 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	10/26/1995
Most Recent Sample	10/18/2018
Sample Period (Years)	24
Number of Sample Events	15

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	10/17/2016	0.74	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**4 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	8/5/1993
Most Recent Sample	10/18/2018
Sample Period (Years)	26
Number of Sample Events	17

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Trichloroethene	Yes	1	10/11/2012	0.051 J	0.4	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**5 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	10/10/1996
Most Recent Sample	10/17/2017 *
Sample Period (Years)	22
Number of Sample Events	16

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs <sup>^</sup>	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	1	10/17/2016	0.89	None	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
  - \* - Resident declined, had water off, or did not respond to subsequent sampling request(s).
  - ^ - Estimated detections of vinyl chloride and trans-1,2-dichloroethene in October 2008 were determined to be laboratory carryover (false detection error)
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**6 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	8/5/1993
Most Recent Sample	10/18/2018
Sample Period (Years)	26
Number of Sample Events	17

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**7 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 5
Earliest Sample	10/26/1995
Most Recent Sample	10/18/2018
Sample Period (Years)	24
Number of Sample Events	14

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
None	--	--	--	--	--	--

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Every Five Years

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**8 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	9/2/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	25

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloromethane	No	3	10/12/2012	0.66	None	--
Toluene	Yes	1	9/2/1993	0.45	200	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**9 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	10/27/1993
Most Recent Sample	10/18/2018
Sample Period (Years)	26
Number of Sample Events	33

Detection(s) of Vinyl Chloride	No
Detection(s) of Other Listed VOCs <sup>(2)</sup>	No

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
Chloroform	No	1	8/29/2005	0.9	20	No
Chloromethane	No	1	10/17/2016	1.2	None	--
cis-1,2-Dichloroethene	No	1	6/14/2018	0.13 J	6	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
  - (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl ketone).
  - (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
  - (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
  - (5) - Currently under review by the MPCA
- HBG - Heath Based Guidance  
 J - Estimated Result (below laboratory reporting limit)  
 MDH - Minnesota Department of Health  
 MPCA - Minnesota Pollution Control Agency  
 VOCs - Volatile Organic Compounds

**10 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	8/5/1993
Most Recent Sample	10/19/2018
Sample Period (Years)	26
Number of Sample Events	42

Detection(s) of Vinyl Chloride	Yes
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane	F1, F2	8	4/22/2014	0.18 J	80	No
cis-1,2-Dichloroethene	F1	4	10/18/2012	0.1 J	6	No
Dichlorodifluoromethane	F2	1	4/17/2012	0.08 J	500	No
Dichlorofluoromethane	F2	1	4/17/2012	0.07 J	20	No
Vinyl chloride	F1	4	4/22/2014	0.16 J	0.2	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- F1 - Highway 96 Site Fingerprint 1 (Vinyl Chloride + cis-1,2-Dichloroethene + 1,1-Dichloroethane)
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

**11 West Shore Road**

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	10/27/1993
Most Recent Sample	10/18/2018
Sample Period (Years)	26
Number of Sample Events	42

Detection(s) of Vinyl Chloride	Yes
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane <span style="float: right;">F1, F2</span>	Yes	2	4/22/2014	0.12 J	80	No
Acetone	No	1	5/21/2013	2.6	3000	No
Chloromethane	No	1	10/17/2016	0.67	None	--
cis-1,2-Dichloroethene <span style="float: right;">F1</span>	No	2	10/5/2015	0.13 J	6	No
Dichlorofluoromethane <span style="float: right;">F2</span>	No	1	4/17/2012	0.05 J	20	No
Isopropylbenzene	No	1	10/12/1999	0.39 J	300	No
Vinyl chloride <span style="float: right;">F1</span>	Yes	2	4/22/2014	0.13 J	0.2	No

Comments	
----------	--

Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

- (1) - See Site Figure(s)
- (2) - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).
- (3) - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- (4) - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- (5) - Currently under review by the MPCA
- F1 - Highway 96 Site Fingerprint 1 (Vinyl Chloride + cis-1,2-Dichloroethene + 1,1-Dichloroethane)
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

15 West Shore Road

Updated	1/9/2019
---------	----------

Geographic Area <sup>(1)</sup>	Area 3
Earliest Sample	10/27/1993
Most Recent Sample	10/18/2018
Sample Period (Years)	26
Number of Sample Events	40

Detection(s) of Vinyl Chloride	Yes
Detection(s) of Other Listed VOCs <sup>(2)</sup>	Yes

Detected VOCs	Listed VOC <sup>(2)</sup>	Number of Times Detected	Date Last Detected	Maximum Concentration (ug/L)	MDH HBG <sup>(3)</sup> (ug/L)	Maximum Concentration Above HBG
1,1-Dichloroethane <sup>F1, F2</sup>	Yes	11	4/22/2014	0.34	80	No
1,3,5-Trimethylbenzene	No	1	4/17/2012	0.16 J	100	No
cis-1,2-Dichloroethene <sup>F1</sup>	No	6	10/10/2013	0.24	6	No
Dichlorodifluoromethane <sup>F2</sup>	No	2	4/17/2012	0.2 J	500	No
Dichlorofluoromethane <sup>F2</sup>	No	1	4/17/2012	0.12 J	20	No
Isopropylbenzene	No	1	4/17/2012	0.09 J	300	No
Toluene	Yes	1	4/20/2009	0.2 J	200	No
Vinyl chloride <sup>F1</sup>	Yes	9	4/22/2014	0.2	0.2	No

Comments	
----------	--

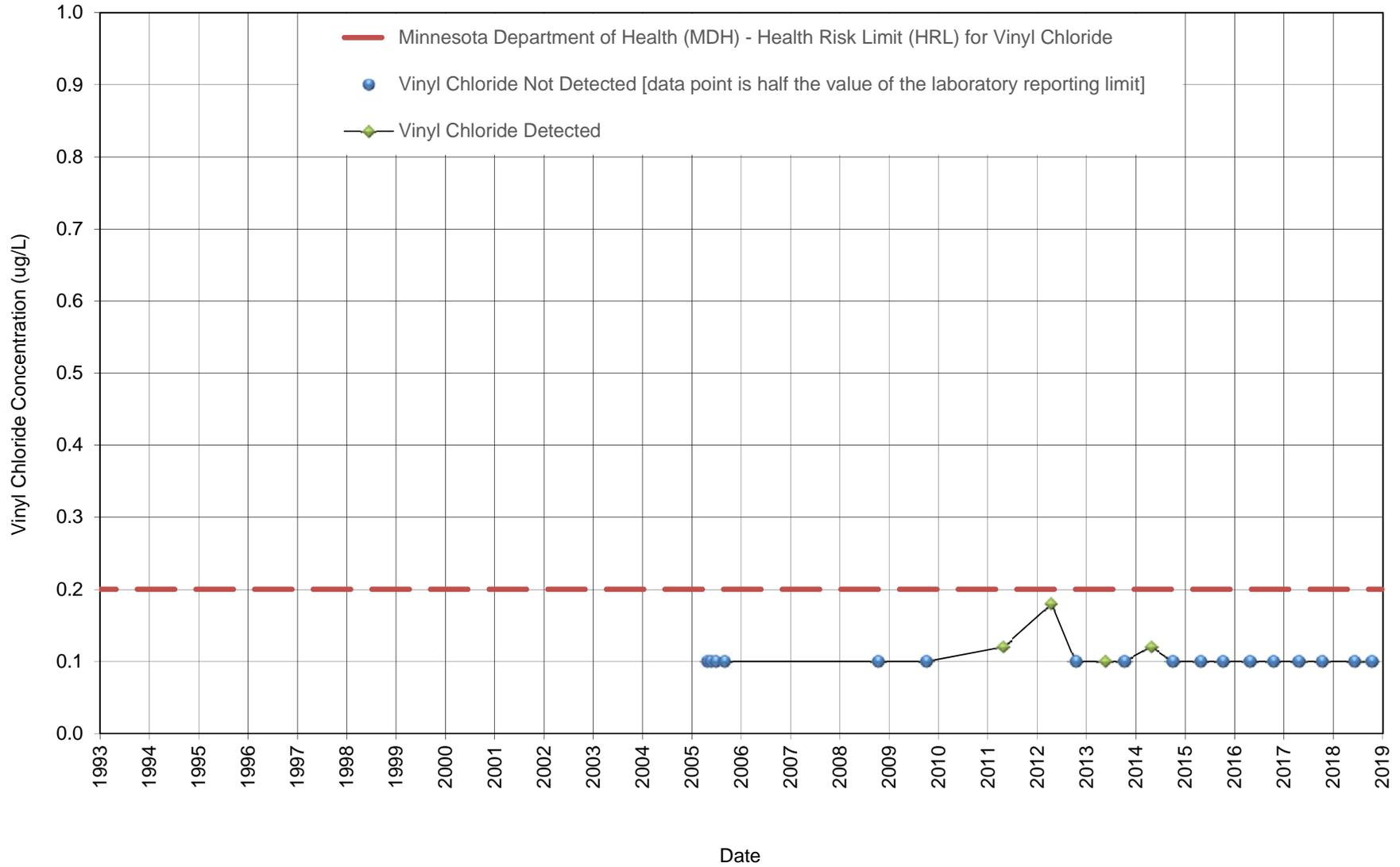
Current Sampling Frequency <sup>(4)</sup>	Semi-Annually
Proposed Updated Sampling Frequency <sup>(5)</sup>	Annually

Notes:

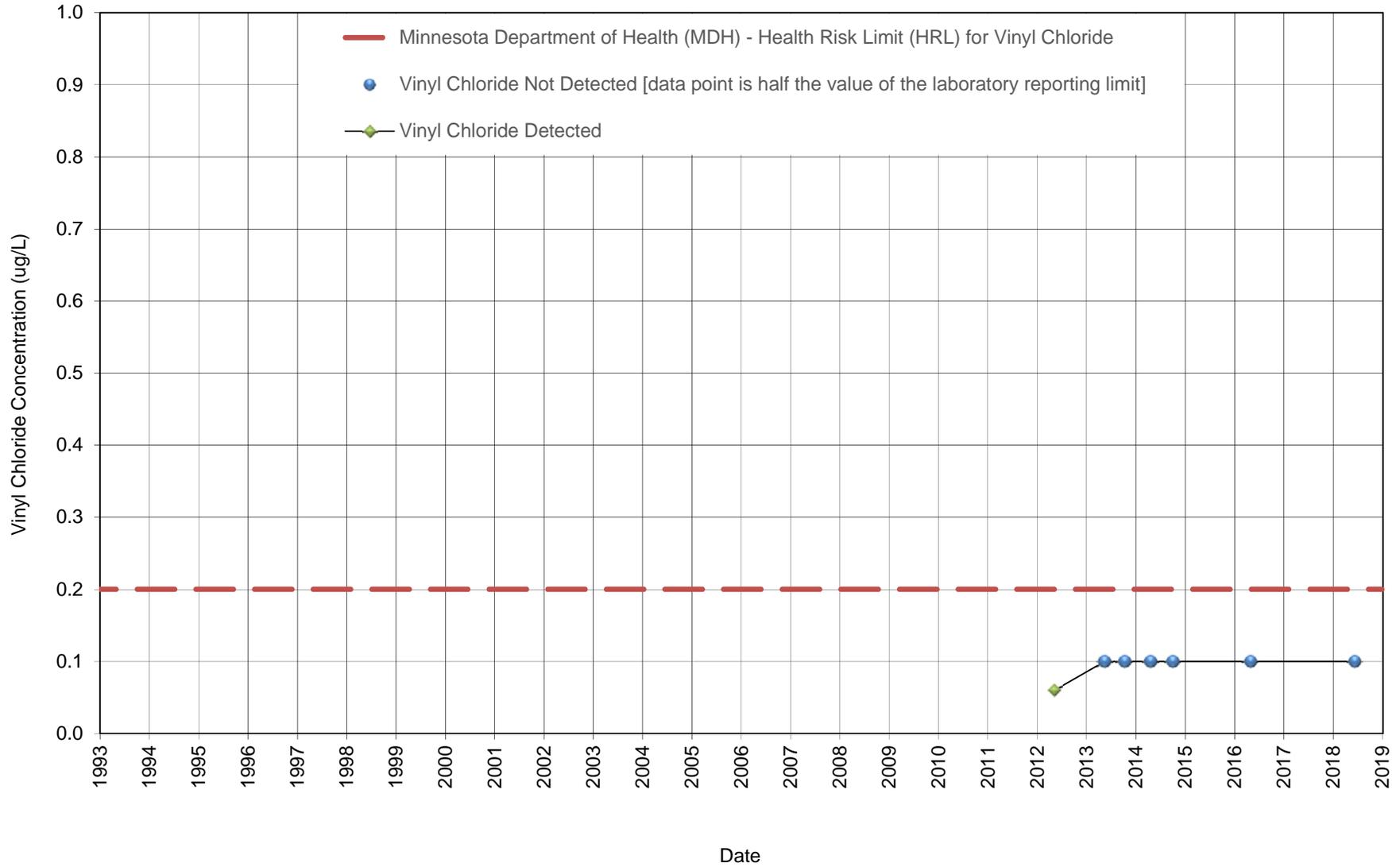
- <sup>(1)</sup> - See Site Figure(s)
- <sup>(2)</sup> - As listed in Table 1 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl ketone).
- <sup>(3)</sup> - <http://www.health.state.mn.us/divs/eh/risk/guidance/gw/table.html>
- <sup>(4)</sup> - In accordance with the long-term groundwater monitoring plan (LTGMP) outlined in Section 5.2.2 of the MPCA's amendment to the Minnesota Decision Document (MDD) for the Highway 96 Site, signed August 26, 2008.
- <sup>(5)</sup> - Currently under review by the MPCA
- F1 - Highway 96 Site Fingerprint 1 (Vinyl Chloride + cis-1,2-Dichloroethene + 1,1-Dichloroethane)
- F2 - Highway 96 Site Fingerprint 2 (1,1-Dichloroethane + Dichlorodifluoromethane/Dichlorofluoromethane)
- HBG - Heath Based Guidance
- J - Estimated Result (below laboratory reporting limit)
- MDH - Minnesota Department of Health
- MPCA - Minnesota Pollution Control Agency
- VOCs - Volatile Organic Compounds

Attachment B  
Vinyl Chloride Graphs  
(Residential Wells)

**Historical Vinyl Chloride Concentrations  
50 East Oaks Road  
North Oaks, Minnesota**

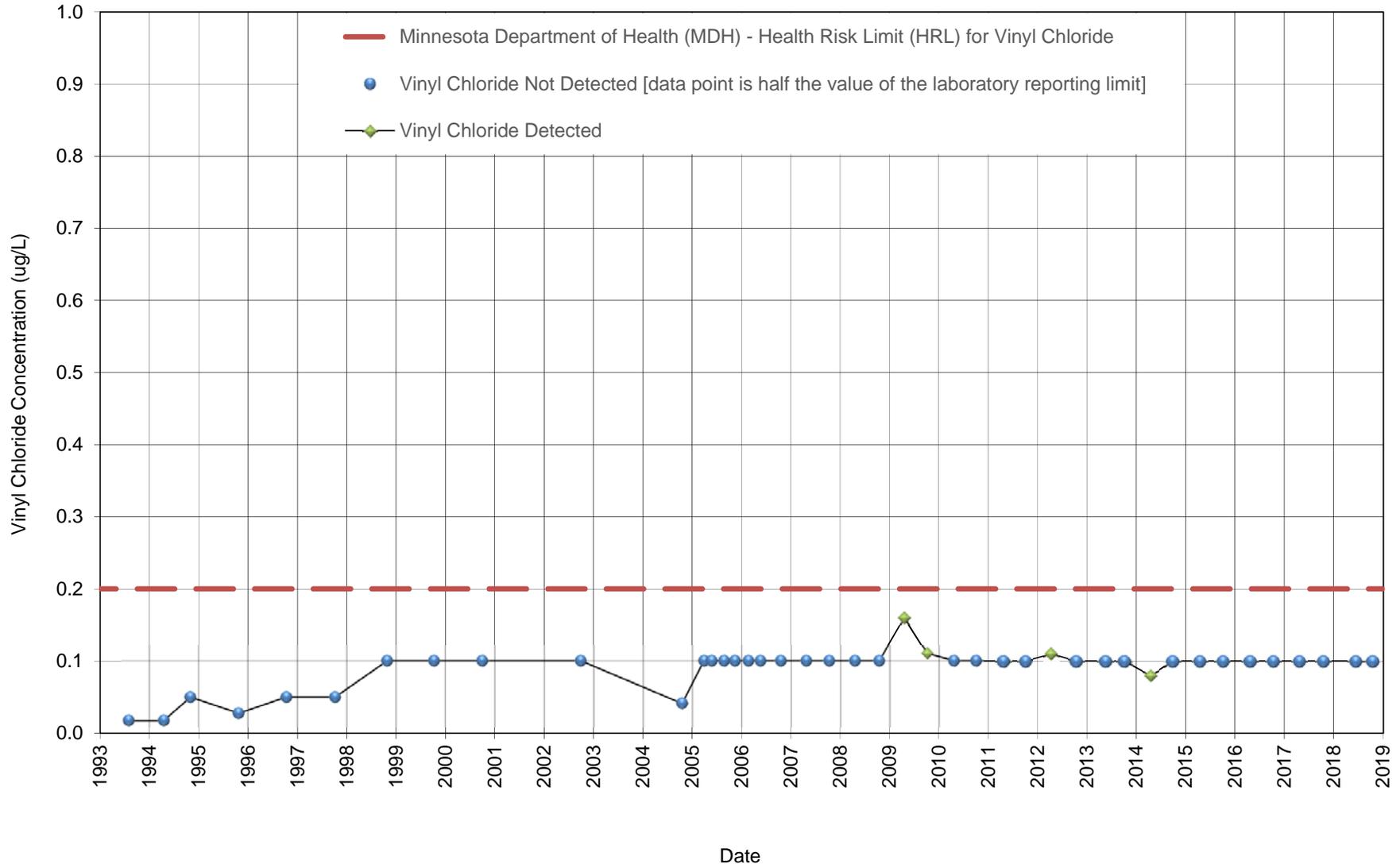


**Historical Vinyl Chloride Concentrations  
3 Heron Lane  
North Oaks, Minnesota**

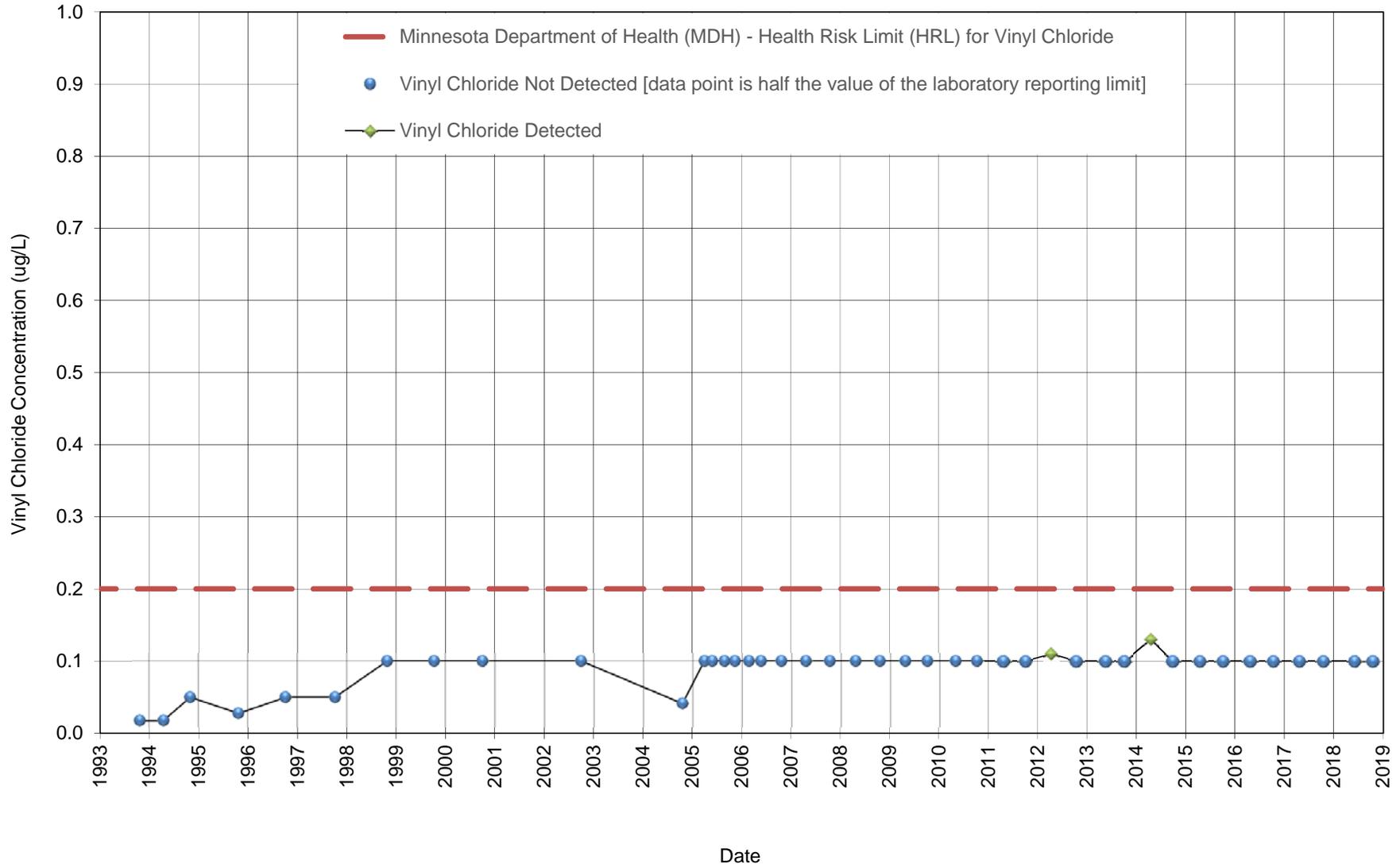




### Historical Vinyl Chloride Concentrations 10 West Shore Road North Oaks, Minnesota



### Historical Vinyl Chloride Concentrations 11 West Shore Road North Oaks, Minnesota



**Historical Vinyl Chloride Concentrations  
15 West Shore Road  
North Oaks, Minnesota**

