

Table 1. Summary Soil Vapor Probe Analytical Results - 2009 through 2012, Madison-Kipp Corporation, Madison, Wisconsin.

| Sample Name Sample Date | Calculated Screening Levels ^{1,2} | | VP-1N | | VP-1S | | VP-2N | | VP-2S | |
|----------------------------|--|---------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Deep Soil Gas | Deep Soil Gas | 09/17/09 | 10/26/12 | 09/17/09 | 10/26/12 | 09/17/09 | 10/26/12 | 09/17/09 | 10/26/12 |
| | Non-Residential | Residential | | | | | | | | |
| VOC | | | | | | | | | | |
| cis-1,2-Dichloroethene | NE | NE | -- | 0.52 | -- | <0.15 | -- | <0.93 | -- | <0.14 |
| trans-1,2-Dichloroethene | 65,604 | 1,590 | -- | <0.36 | -- | <0.15 | -- | <0.93 | -- | <0.14 |
| 1,2-Dichloroethene** | NE | NE | <20 | 0.52 | 341 | <0.15 | 500 | <0.93 | 332 | <0.14 |
| Tetrachloroethene | 26,512 | 619 | 160 | 65 | 1,400 | 4.8 | 1,300 | 160 | 1,100 | 12 |
| Trichloroethene | 1,642 | 39 | <10 | 0.52 | 260 | 0.15 | 370 | <0.93 | 240 | <0.14 |
| Vinyl Chloride | 10,954 | 63 | -- | <0.36 | -- | <0.15 | -- | <0.93 | -- | <0.14 |

All units presented in parts per billion by volume (ppbv)

Notes

1 - Screening Levels were calculated in accordance with Section VI A 1 of *Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin* (WDNR, 2010), accessed at: <http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf>

2 - For non-residential, the following attenuation factor was used: 0.001 for deep soil gas to indoor air [Section VI A 3 of WDNR (2010)].

For residential, the following attenuation factor was used: 0.01 for deep soil gas to indoor air [Section VI A 2 of WDNR (2010)].

**The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

Residential and non-residential criteria are provided for comparison purposes. Soil vapor probes VP-3 through VP-6 are compared only to deep soil gas non-residential criteria due to the location of the probes (large commercial/industrial building, greater than 5 feet below the nearest building foundation).

| | |
|-----|---|
| 100 | Result exceeds the Wisconsin Residential Deep Soil Gas Calculated Screening Level with a 0.01 attenuation factor |
| 100 | Result exceeds the Wisconsin Non-Residential Deep Soil Gas Calculated Screening Level with a 0.001 attenuation factor |

- *D Limit of detection not achievable due to dilution.
- *IS The internal standard QC limit is exceeded.
- DUP Duplicate sample
- NE Not Established
- VOC Volatile organic compound

Table 1. Summary Soil Vapor Probe Analytical Results - 2009 through 2012, Madison-Kipp Corporation, Madison, Wisconsin.

| Sample Name Sample Date | VP-3 | | VP-3 DUP | VP-4 | | VP-5 | | VP-6 | | VP-102 | |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|
| | 03/30/12 | 10/26/12 | 10/26/12 | 03/30/12 | 10/26/12 | 03/30/12 | 10/26/12 | 03/30/12 | 10/26/12 | 11/25/11 | 10/24/12 |
| VOC | | | | | | | | | | | |
| cis-1,2-Dichloroethene | 0.6 | <0.16 | <0.15 | <0.15 | <0.15 | 1.1 | 26 | 28 | 190 | 1,940 *IS | 45 |
| trans-1,2-Dichloroethene | <0.17 | <0.16 | <0.15 | <0.15 | <0.15 | <0.15 | 0.38 | 1.7 | 5.8 | <400 *IS*D | <3.4 |
| 1,2-Dichloroethene** | 0.6 | <0.16 | <0.15 | <0.15 | <0.15 | 1.1 | 26.38 | 29.7 | 195.8 | 1940 | 45 |
| Tetrachloroethene | 18 | 3.2 | 3.8 | 0.68 | 0.2 | 2.1 | 27 | 63 | 190 | 4,620 *IS | 1,200 |
| Trichloroethene | 2 | 0.36 | 0.44 | <0.15 | <0.15 | 1.1 | 22 | 20 | 72 | 1,770 *IS | 240 |
| Vinyl Chloride | <0.17 | <0.16 | <0.15 | <0.15 | <0.15 | <0.15 | 1.2 | 53 | 23 | <400 *IS*D | <3.4 |

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**The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

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| | |
|-----|---|
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| 100 | Result exceeds the Wisconsin Non-Residential Deep Soil Gas Calculated Screening Level with a 0.001 attenuation factor |

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Table 1. Summary Soil Vapor Probe Analytical Results - 2009 through 2012, Madison-Kipp Corporation, Madison, Wisconsin.

| Sample Name Sample Date | VP-114 | | VP-126 | | VP-202 | | VP-210 | | VP-222 | |
|----------------------------|------------|----------|----------|----------|------------|----------|------------|----------|----------|----------|
| | 11/25/11 | 10/24/12 | 11/25/11 | 10/24/12 | 11/25/11 | 10/24/12 | 11/25/11 | 10/25/12 | 11/25/11 | 10/25/12 |
| VOC | | | | | | | | | | |
| cis-1,2-Dichloroethene | <400 *IS*D | <0.16 | <200 *D | <0.16 | <0.085 *IS | <0.16 | <0.085 *IS | <0.17 | <20 *D | <0.49 |
| trans-1,2-Dichloroethene | <400 *IS*D | <0.16 | <200 *D | <0.16 | <0.085 *IS | <0.16 | <0.085 *IS | <0.17 | <20 *D | <0.49 |
| 1,2-Dichloroethene** | <400 | <0.16 | <200 | <0.16 | <0.085 | <0.16 | <0.085 | <0.17 | <20 | <0.49 |
| Tetrachloroethene | 2,540 *IS | 10 | 452 | 1.4 | 5.7 *IS | 9.1 | 3.22 | 3.9 | 77 | 120 |
| Trichloroethene | <400 *IS*D | <0.16 | <200 *D | <0.16 | <0.085 *IS | 0.58 | <0.085 *IS | <0.17 | <20 *D | <0.49 |
| Vinyl Chloride | <400 *IS*D | <0.16 | <200 *D | <0.16 | <0.085 *IS | <0.16 | <0.085 *IS | <0.17 | <20 *D | <0.49 |

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**The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

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Table 1. Summary Soil Vapor Probe Analytical Results - 2009 through 2012, Madison-Kipp Corporation, Madison, Wisconsin.

| Sample Name Sample Date | VP-237 | | VP-249 | | VP-261 |
|----------------------------|----------|----------|----------|----------|------------|
| | 11/25/11 | 10/25/12 | 11/25/11 | 10/25/12 | 11/28/11 |
| VOC | | | | | |
| cis-1,2-Dichloroethene | <20 | <0.16 | <0.085 | <0.16 | <0.085 *IS |
| trans-1,2-Dichloroethene | <20 | <0.16 | <0.085 | <0.16 | <0.085 *IS |
| 1,2-Dichloroethene** | <20 | <0.16 | <0.085 | <0.16 | <0.085 |
| Tetrachloroethene | 53 | 63 | 8.44 | 23 | <0.085 *IS |
| Trichloroethene | <20 | <0.16 | <0.085 | <0.16 | <0.085 *IS |
| Vinyl Chloride | <20 | <0.16 | <0.085 | <0.16 | <0.085 *IS |

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**The compound 1,2-Dichloroethene was reported in 2009. The compounds cis- and trans-1,2-Dichloroethene were reported in 2011 and 2012 and have been manually combined for comparison purposes.

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| | |
|-----|---|
| 100 | Result exceeds the Wisconsin Residential Deep Soil Gas Calculated Screening Level with a 0.01 attenuation factor |
| 100 | Result exceeds the Wisconsin Non-Residential Deep Soil Gas Calculated Screening Level with a 0.001 attenuation factor |

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VOC Volatile organic compound