December 4, 2015 Reference No. 038443-12

Ms. Jenny Davison
Interim Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
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60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
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Dear Ms. Davison and Mr. Renninger:

**Re: Progress Report: November 1 through 30, 2015**
**South Dayton Dump and Landfill Site, Moraine, Ohio (Site)**

This Monthly Progress Report is submitted in accordance with the Administrative Settlement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) Proceeding Under Sections 104, 107, and 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, 42 U.S.C. §§ 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 (RI/FS ASAOC), and the ASAOC for Removal Action Proceeding Under Sections 104, 106(a), 107, and 122 of the CERCLA, 42 U.S.C. §§ 9604, 9606(a), 9607, and 9622 USEPA Docket No. V-W-13-C-010, effective April 8, 2013 (Removal Action ASAOC), for the period of November 1 through 30, 2015.

The next Progress Report for the month of December 2015 will be submitted on or before January 10, 2016.

## Significant Developments in this Reporting Period

### RI/FS ASAOC Developments

There were no RI/FS ASAOC Developments in November 2015.

### Removal Action ASAOC Developments

On November 5, 2015, GHD completed quarterly methane monitoring of Building 15 (SIM Trainer), GP-2 and adjacent on-Site soil gas probes, results are presented in Tables 1, 2, and 3. All methane results were 0.0 percent methane.

On November 5, 2015, USEPA adjusted the SS screening level attenuation factor (AF) from 50 to 33 to match the AF in the Office of Solid Waste and Emergency Response (OSWER) 2015 Final Vapor Intrusion (VI) Guidance.

On November 12, 2015, USEPA and the Respondents participated in a conference call regarding the status of vapor intrusion mitigation.

During the November 12 conference call, the participants discussed the following topics:

- October 2015 trichloroethene (TCE) sub-slab (SS) results remain above Ohio Department of Health (ODH) screening levels (AFs of 10 and 33) at locations SS-8-A and SS-8-B. Proposed system modifications for Building 8 include stemline additions to EP-3 and EP-5, and installation of valves and barbs on the extraction point fans.
- The AF for secondary SS screening levels was revised to 33 from 50 in order to correspond to the 2015 OSWER Final VI Guidance which results in Building 15 (SIM Trainer) July 2015 analytical results exceeding the secondary ODH SS screening levels.
- GHD will revise and submit draft sample results letters and a Building 15 (SIM Trainer) floor plan to USEPA for review.
- November 2015 methane values at Building 15 (SIM Trainer), soil gas probe GP-2 and Site soil gas probes were measured to be 0% methane. Respondents and USEPA agree that methane monitoring frequency will be reduced to annually at Building 15 (SIM Trainer), and semi-annually at GP-2 and Site soil gas probes, in accordance with the VI Mitigation Work Plan.

On November 12, 2015, GHD provided USEPA with a floor plan for Building 15 (SIM Trainer) for their use.

On November 13, 2015, GHD provided USEPA with the following documents for review and comment:

- Vapor Intrusion Mitigation Work Plan revised to reference an AF of 33 for secondary SS screening levels.
- Draft Sample Result Letter for a building where SS concentrations were greater than ODH screening levels (AF=10 and AF=33).
- Draft Sample Result Letter for a building where SS concentrations are less than ODH screening levels (i.e., building is in compliance).

As of November 30, 2015, the status of each building requiring mitigation was as follows:

***Building 8 (B&G Trucking):***

- 30-day proficiency sampling completed on September 12, 2013, with additional confirmatory sampling completed on January 9, 2014 and March 10, 2014.

- 2015 indoor air (IA) and/or SS soil vapor sampling were completed on February 17, 2015, July 15, 2015, and October 6, 2015:
  - Trichloroethene concentration in SS soil vapor samples collected from probes SS-8-A and SS-8-B were greater than ODH screening level (AF of 33). GHD suspects a localized TCE source under the building may be contributing to elevated TCE concentrations in the SS soil vapor.
  - Benzene concentrations from IA locations IA-8-A and IA-8-D were less than ODH screening levels. Benzene concentration from IA location IA-8-F was greater than the ODH screening level in the July 2015 sampling round. Available evidence suggests IA benzene concentrations are the result of ongoing daily human activities within and around Building 8 as well as IA background sources, and are not the result of a complete VI pathway.
  - The fan at extraction point EP-3 was not operating during the majority of the July 2015 sampling round and was replaced late in the day on July 15, 2015.
  - The fans at extraction points EP-1 and EP-2 were not operating on September 29, 2015 and were replaced on October 1, 2015.
  - All fans were operational during the October 2015 sampling round.
- Respondents and USEPA will propose sub-slab depressurization system (SSDS) modifications to the building owner.

***Building 9 (B&G Trucking):***

- 30-day and 180-day proficiency sampling completed on October 24, 2013 and March 10, 2014, respectively, with additional 180-day confirmatory sampling completed on May 20, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 17, 2015, and July 15, 2015:
  - TCE concentrations in samples collected from SS soil vapor probe SS-9-A remain greater than ODH screening levels. GHD suspects a localized TCE source under the building may be contributing to elevated TCE concentrations in SS soil vapor.
  - Benzene and xylenes were not detected in Building 9 during the July 2015 sampling round.
- Respondents and USEPA will propose SSDS modifications to the building owner.

***Building 12 (Overstreet Painting and S&J Precision):***

- 30-day proficiency sampling completed on October 24, 2013. A corrective action was implemented on March 6, 2014 and additional confirmatory sampling was completed on April 2 and 3, 2014.

- Two rounds of 2015 IA and SS soil vapor sampling completed on February 18, 2015 and July 13, 2015:
  - TCE concentrations in SS soil vapor samples remain greater than ODH screening and action levels. GHD suspects a localized TCE source under the building may be contributing to elevated TCE concentrations in SS soil vapor.
  - cis-1,2-Dichloroethene (cis-1,2-DCE) concentrations in SS soil vapor samples have decreased to less than the ODH screening level.
  - Benzene remains present in IA samples at concentrations greater than ODH screening levels; however, based on available data, the benzene concentrations in indoor air are a result of ongoing daily human activities within and around Building 12, and are not the result of a complete VI pathway.
- Respondents and USEPA will propose SSDS modifications to the building owner.

***Building 14 (Bullseye Amusements):***

- 30-day proficiency sampling completed on January 16, 2014 and 180-day proficiency sampling completed on June 3, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 19, 2015 and July 16, 2015.
- The building is in compliance; IA and SS concentrations are less than ODH screening levels.
- Annual proficiency sampling will be completed in July 2016.

***Building 15 (SIM Trainer):***

- 30-day proficiency sampling completed on February 13, 2014. A corrective action was implemented on April 6, 2014 and additional confirmatory sampling was completed on April 24, 2014.
- Two rounds of 2015 IA and SS soil vapor sampling completed on February 18, 2015 and July 14, 2015.
- July 2015 TCE SS concentration at SS-15-C was greater than the ODH SS screening level (AF of 33)
- IA concentrations are less than ODH IA screening levels.
- Respondents and USEPA will propose SSDS modifications to the building owner.

***Building 17 (Megacity Construction):***

- 30-day and 180-day proficiency sampling completed on January 16, 2014, and June 3, 2014, respectively.
- 1-year proficiency sampling completed on February 19, 2015.
- The building is in compliance.
- Annual proficiency sampling will be completed in February 2016.

***Building 24 (Globe Equipment):***

- 30-day, 180-day, and 1-year proficiency sampling completed on September 11, 2013, February 7, 2014, and December 5, 2014 respectively.
- One-year confirmatory sampling completed on February 20, 2015.
- Additional confirmatory sampling completed on July 16, 2015.
- The building is in compliance; IA and SS concentrations are less than ODH screening levels.
- Respondents and USEPA will propose SSDS modifications to the building owner to improve SS vacuum.
- Annual proficiency sampling will be completed in February 2016.

## Summaries of all Anticipated Problems and Planned Resolutions

As previously discussed with USEPA, a number of the owners and tenants in buildings planned for vapor mitigation have expressed concerns regarding the intrusion that the VI sampling and mitigation has had, and will have, on their business. The owners of the buildings (i.e., South Dayton Remediation Trust) refused to allow additional work to occur. On October 24, 2014, the Respondents transmitted letters to the owners and tenants of the buildings with remaining sub-slab issues providing the analytical results for sampling completed to date and seeking their consent to cease intrusive vapor abatement activities and transition to an enhanced indoor air monitoring program. In January 2015, the legal counsel for the owners provided written notification that the owners and tenants agree to allow indoor air monitoring to proceed but were not willing to allow further remedial work. In September 2015, USEPA and GHD met with owners and tenants and informally discussed the potential for further remedial work; additional discussions are pending.

## Projected Work for the Next Reporting Period

- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.
- Discussions regarding proposed SSDS modifications with building tenants/owners will be scheduled for December 16 and/or 17, 2015.
- The Respondents will review and respond to the USEPA response to the Good Faith Offer letter and comments on the new ASAOC and SOW.

Should you have any questions on the above, please do not hesitate to contact us.

Sincerely,

GHD

Julian Hayward

BR/cb/6

Encl.

cc: (all by pdf) Leslie Patterson, U.S. EPA
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Valerie Chan, GHD

**Table 1**



**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / Storage area ambient air, without filter | 1/19/2012 | 11:50 | 0.9 | 22.1 | 0.1 | 0.0 | ND(1)[1] | | | |
| 5173 / 1 / C / Storage area, without filter | | 12:01 | 391 | 7.5 | 2.7 | 0.9 | 19 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/24/2012 | 10:00 | 0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 10:09 | 96.7 | 5.5 | 2.8 | 0.9 | 19 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 1/31/2012 | 10:50 | 1 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 11:14 | 182.7 | 5.5 | 3.1 | 1.1 | 25 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/7/2012 | 10:44 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area, without filter | | 10:56 | 142.3 | 10.9 | 1.8 | 0.9 | 21 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 2/16/2012 | 10:40 | 0.1 | 20.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:04 | 79.4 | 14.1 | 3.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:04 | 79.4 | 18.1 | 0.3 | 0.2 | 3 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/1/2012 | 11:36 | 0.1 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:46 | 196.5 | 13.8 | 0.2 | 0.3 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:48 | 196.5 | 16.9 | 1.5 | 0.4 | 9 | | | |
| 5173 / 1 / Storage area ambient air | 3/13/2012 | 9:32 | 0 | 20.1 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:20 | 101.2 | 1.0 | 3.3 | 0.8 | 18 | | | |
| 5173 / 1 / C / Storage area without filter | | | 101.2 | 0.4 | 4.7 | 1.4 | 27 | | | |
| 5173 / 1 / A ambient air without filter | | 9:57 | 0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A with filter | | 10:15 | 0 | 16.9 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / B ambient air without filter | | 9:30 | 0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B with filter | | 9:48 | 0.2 | 9.1 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/22/2012 | 11:50 | 0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:44 | 105.8 | 3.2 | 1.2 | 0.7 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:47 | 105.8 | 3.0 | 5.1 | 1.1 | 24 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 3/27/2012 | | 0.1 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 17.1 | 3.9 | 1.9 | 0.9 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:56 | 17.1 | 5.9 | 5.4 | 1.2 | 26 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/3/2012 | 12:30 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:09 | 136.8 | 1.9 | 0.4 | 0.8 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:10 | 136.8 | 1.7 | 5.1 | 1.4 | 29 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/10/2012 | 11:05 | 0 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:52 | 206.1 | 3.0 | 0.5 | 0.8 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:53 | 206.1 | 3.1 | 1.2 | 0.9 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/17/2012 | 10:15 | 0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:32 | 129.8 | 2.3 | 2.2 | 0.9 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:37 | 129.8 | 1.5 | 5.5 | 1.4 | 28 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 4/26/2012 | 11:13 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:27 | 120.7 | 2.2 | 1.7 | 0.9 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:31 | 120.7 | 14.9 | 1.6 | 0.5 | 12 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/3/2012 | 11:33 | 0 | 20.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:45 | 122.1 | 15.2 | 0.8 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:48 | 122.1 | 9.5 | 3.4 | 0.7 | 14 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/10/2012 | 13:58 | 0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 167.9 | 10.7 | 0.9 | 0.6 | 14 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 167.9 | 7.8 | 3.8 | 0.9 | 18 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/15/2012 | | 0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 80.4 | 10.7 | 0.2 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | | 80.4 | 20.8 | 0.3 | 0.1 | 2 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/24/2012 | 13:15 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:39 | 107.1 | 1.2 | 6.2 | 0.9 | 18 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:47 | 107.1 | 2.2 | 6.4 | 1.3 | 26 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 5/31/2012 | 11:04 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:14 | 116.6 | 8.7 | 1.5 | 0.3 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:20 | 116.6 | 16.8 | 2.0 | 0.7 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/7/2012 | 10:24 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:33 | 102.2 | 0.9 | 6.2 | 1.1 | 22 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:44 | 102.2 | 1.8 | 7.0 | 1.4 | 28 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/14/2012 | 10:55 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 11:07 | 72.0 | 5.5 | 3.5 | 0.7 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 11:13 | 72.0 | 3.8 | 4.3 | 1.0 | 21 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/19/2012 | 10:33 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:55 | 78.0 | 1.8 | 2.3 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:57 | 78.0 | 1.3 | 7.3 | 2.2 | 43 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 6/28/2012 | 10:01 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:11 | 65.7 | 5.8 | 3.2 | 0.7 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:11 | 65.7 | 3.7 | 4.7 | 1.1 | 27 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/3/2012 | 10:15 | 0.0 | 19.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:56 | 68.0 | 1.9 | 7.6 | 1.7 | 36 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:58 | 68.0 | 1.9 | 6.4 | 1.3 | 25 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 | 7/11/2012 | Access unavailable | | | | | | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/19/2012 | 13:15 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:40 | 65.9 | 1.7 | 6.5 | 1.8 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:40 | 65.9 | 1.6 | 7.9 | 2.6 | 51 | | | |
| 5173 / 1 / Storage area ambient air, without filter | 7/26/2012 | 9:45 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:54 | 0.0 | 2.4 | 6.2 | 1.9 | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:54 | 0.0 | 1.0 | 7.7 | 3.2 | 63 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/2/2012 | 9:40 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:40 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:52 | 79.6 | 9.2 | 0.1 | 1.1 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:52 | 79.6 | 6.9 | 5.3 | 1.8 | 38 | | | |
| 5173 / 1 / Storage area ambient air, with filter | 8/7/2012 | 9:57 | -- | -- | -- | -- | 0 | low 90s | none | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:57 | 0.3 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 10:06 | -- | -- | -- | -- | 43 | | | |
| 5173 / 1 / C / Storage area without filter | | 10:06 | 116.5 | 3.7 | 6.7 | 2.9 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/16/2012 | 11:55 | 0.1 | 20.3 | 0.0 | 0.0 | 0 | 80 - low 90s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.1 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 11:58 | 2.5 | 19.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 11:58 | 2.5 | 19.7 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 11:52 | 0.3 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:26 | 100.7 | 0.5 | 6.1 | 2.2 | 47 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:26 | 100.7 | 1.3 | 6.7 | 3.1 | 62 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/21/2012 | 14:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 2.0 | 19.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 2.0 | 19.7 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:45 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:55 | 2.3 | 4.4 | 12.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:55 | 2.3 | 6.3 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:25 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:25 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:37 | 110.9 | 0.5 | 5.0 | 2.1 | 42 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:37 | 110.9 | 4.8 | 5.1 | 2.3 | 46 | | | |
| 5173 / 1 / A / Office area ambient air without filter | 8/30/2012 | | 0.0 | 20.0 | 0.0 | 0.0 | 0 | 80s | none | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.5 | 19.5 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.5 | 19.4 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:57 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 1.2 | 5.5 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 1.2 | 5.3 | 11.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:03 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:21 | 39.1 | 1.4 | 3.8 | 1.9 | 39 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:21 | 39.1 | 0.9 | 6.6 | 2.8 | 57 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/6/2012 | | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 80s | rain daily during week of September 2 to 6 | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:07 | 3.8 | 19.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:07 | 3.8 | 19.2 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:00 | 3.8 | 62.0 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:00 | 3.8 | 63.0 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 140.4 | 0.9 | 5.0 | 1.9 | 38 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 140.4 | 0.8 | 6.3 | 2.8 | 58 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/13/2012 | | 0.0 | 20.9 | 0.0 | 0.0 | 0 | high 70s - low 80s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:08 | 0.5 | 19.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:08 | 0.5 | 19.2 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 12:23 | 1.9 | 5.8 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 12:23 | 1.9 | 5.5 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 60.2 | 0.8 | 5.1 | 2.3 | 45 | | | |
| 5173 / 1 / C / Storage area without filter | | | 60.2 | 1.0 | 6.0 | 2.7 | 55 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2012 | 11:55 | 0.0 | 20.3 | 0.1 | 0.0 | 0 | low 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 11:55 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:04 | 0.6 | 18.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:04 | 0.6 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:23 | 88.5 | 1.9 | 4.5 | 2.0 | 41 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:23 | 88.5 | 1.8 | 5.3 | 2.6 | 52 | | | |
| 5173 / 1/ SIM Trainer | 9/27/2012 | Inaccessible | | | | | | 60s - 70s | none | |
| 5173 / 1 / A / Office area ambient air with filter | 10/2/2012 | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | mid 60s | light rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.7 | 15.6 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.7 | 17.4 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:00 | 0.7 | 4.6 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:00 | 0.7 | 4.7 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:17 | 57.3 | 0.8 | 5.8 | 2.0 | 40 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:17 | 57.3 | 0.9 | 5.0 | 2.8 | 56 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/18/2012 | 13:15 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | mid 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:15 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:44 | 0.8 | 16.3 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:44 | 0.8 | 16.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:50 | 104.2 | 1.8 | 3.8 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:50 | 104.2 | 1.9 | 4.3 | 1.9 | 38 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/25/2012 | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 70s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:17 | 2.4 | 15.6 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:17 | 2.4 | 15.2 | 2.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:06 | 0.0 | 20.5 | 0.1 | 0.0 | 1[R] | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:06 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:20 | 1.0 | 3.8 | 9.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:20 | 1.0 | 4.1 | 10.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 21.0 | 0.1 | 0.0 | 1[R] | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:24 | 72.9 | 1.3 | 3.7 | 1.5 | 31 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:24 | 72.9 | 1.4 | 4.1 | 2.0 | 41 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/30/2012 | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | 30s - 40s | snow & rain | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 1.6 | 14.2 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 1.6 | 14.3 | 3.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:48 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 1.6 | 4.0 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 1.6 | 4.1 | 10.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 79.5 | 1.2 | 4.3 | 1.6 | 34 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 79.5 | 1.4 | 4.1 | 2.1 | 43 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/8/2012 | 14:02 | 1.4 | 21.4 | 0.1 | 0.0 | 0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:02 | 1.4 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:21 | 4.2 | 13.7 | 3.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:21 | 4.2 | 13.7 | 3.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 1.2 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 1.2 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:26 | 1.8 | 4.5 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:26 | 1.8 | 4.8 | 9.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:35 | 1.3 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:35 | 1.3 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:36 | 165.5 | 1.2 | 3.2 | 1.4 | 27 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:36 | 165.5 | 2.2 | 3.5 | 1.6 | 33 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 11/15/2012 | 13:37 | 0.0 | 21.7 | 0.2 | 0.0 | 0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:37 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 0.0 | 14.3 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 0.0 | 14.6 | 3.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:58 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:58 | 0.0 | 21.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:43 | 0.0 | 4.3 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:43 | 0.0 | 4.5 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 92.6 | 1.4 | 2.5 | 1.0 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 92.6 | 1.4 | 3.4 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2012 | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 50s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 13.8 | 3.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 13.9 | 3.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:50 | 0.0 | 4.6 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:50 | 0.0 | 4.7 | 10.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:08 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:08 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 183.7 | 13.6 | 1.3 | 0.4 | 9 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 183.7 | 10.8 | 1.8 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/29/2012 | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | 40s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:31 | 0.6 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 1.8 | 13.1 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 1.8 | 13.3 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:40 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.3 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:23 | 120.4 | 2.4 | 2.8 | 1.1 | 22 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:23 | 120.4 | 2.2 | 3.0 | 1.5 | 30 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/4/2012 | 13:26 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 50s | rainy (~0.3 inches) | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:29 | 0.1 | 13.6 | 4.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:29 | 0.1 | 13.7 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:17 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:17 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:34 | 0.2 | 9.1 | 7.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:34 | 0.2 | 9.1 | 7.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:07 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:07 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:39 | 66.6 | 1.6 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:39 | 66.6 | 1.6 | 3.6 | 1.3 | 27 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/13/2012 | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 40s | sunny | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:18 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 0.0 | 14.9 | 2.5 | 0.1 U | 1 U | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 0.0 | 14.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:54 | 0.0 | 22.0 | 0.0 | 0.1 U | 2 U | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:54 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:23 | 1.6 | 6.4 | 8.8 | 0.0 | 1 U | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:23 | 1.6 | 6.1 | 9.7 | 0.1 | 1 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 22.0 | 0.1 | 0.1 U | 2 U | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:34 | 109.7 | 2.0 | 2.6 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:34 | 109.7 | 1.9 | 3.2 | 1.2 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/18/2012 | 13:55 | 0.0 | 21.7 | 0.1 | 0.0 | 0 | 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:55 | 0.0 | 21.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 0.8 | 14.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 0.8 | 14.7 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:04 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:04 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.7 | 6.2 | 9.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.7 | 6.4 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 21.4 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:56 | 114.9 | 1.3 | 3.8 | 0.9 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:56 | 114.9 | 1.4 | 3.6 | 1.3 | 26 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 12/27/2012 | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 30s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:05 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.7 | 15.4 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.7 | 15.5 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:25 | 0.5 | 8.1 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:25 | 0.5 | 7.8 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:00 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 75.0 | 16.5 | 1.1 | 0.3 | 5 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 75.0 | 12.0 | 1.5 | 0.5 | 10 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/3/2013 | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | 10s - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:50 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 0.3 | 17.9 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 0.3 | 16.9 | 3.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:57 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 0.4 | 8.7 | 8.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:55 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:34 | 90.4 | 4.0 | 2.6 | 0.7 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:34 | 90.4 | 2.5 | 2.7 | 1.1 | 22 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/10/2013 | 13:28 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:24 | 1.0 | 16.0 | 3.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:24 | 1.0 | 16.0 | 3.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:26 | 0.1 | 20.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:26 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.9 | 9.1 | 7.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.9 | 9.4 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:24 | 0.1 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:24 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:45 | 52.2 | 3.1 | 3.0 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:45 | 52.2 | 3.2 | 2.8 | 0.9 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/17/2013 | 13:10 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 1.0 | 13.5 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 1.0 | 13.5 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:07 | 0.3 | 8.9 | 8.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:07 | 0.3 | 8.9 | 8.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0.1 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 92.9 | 1.5 | 3.3 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 92.9 | 1.6 | 3.2 | 1.0 | 21 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/24/2013 | 13:45 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:45 | 0.0 | 21.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:56 | 0.0 | 16.2 | 2.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:56 | 0.0 | 15.9 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 22.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:01 | 0.4 | 7.2 | 8.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:01 | 0.4 | 6.7 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:08 | 53.0 | 2.5 | 2.8 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:08 | 53.0 | 1.9 | 2.8 | 0.9 | 18 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 1/31/2013 | 13:33 | 0.0 | 22.1 | 0.1 | 0.0 | 0 | 10 - 20s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.0 | 22.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:35 | 0.1 | 15.7 | 2.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:35 | 0.1 | 14.8 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:10 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:10 | 0.0 | 22.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.2 | 6.4 | 9.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.2 | 6.6 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 22.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 76.7 | 1.9 | 4.3 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 76.7 | 1.6 | 3.2 | 0.9 | 19 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/7/2013 | 14:07 | 0.4 | 21.8 | 0.1 | 0.0 | 0 | 20s - 50s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:07 | 0.4 | 21.8 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:09 | 0.8 | 15.4 | 3.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:09 | 0.8 | 15.0 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:54 | 0.2 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:54 | 0.2 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:21 | 135.7 | 2.0 | 3.4 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:21 | 135.7 | 1.5 | 3.0 | 0.9 | 19 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/12/2013 | 13:01 | 0.1 | 21.2 | 0.0 | 0.0 | 0 | 30s - 40s | none | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:01 | 0.1 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 0.9 | 15.4 | 3.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 0.9 | 15.2 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:23 | 0.4 | 9.4 | 7.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:23 | 0.4 | 9.1 | 7.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:59 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 109.2 | 1.9 | 3.3 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 109.2 | 3.0 | 3.0 | 0.7 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/21/2013 | 13:07 | 0.0 | 22.3 | 0.0 | 0.0 | 0 | 20s | trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:07 | 0.0 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | | 0.9 | 16.0 | 3.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | | 0.9 | 16.0 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:09 | 0.1 | 22.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:09 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:12 | 0.1 | 22.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:12 | 0.1 | 22.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 90.5 | 1.8 | 3.0 | 0.7 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | | 90.5 | 2.0 | 2.9 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/28/2013 | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 30s - 40s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.6 | 14.7 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.6 | 14.7 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:21 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:15 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:36 | 63.0 | 2.3 | 3.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:36 | 63.0 | 2.4 | 3.1 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/7/2013 | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | 30s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:00 | 0.4 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:13 | 0.0 | 16.4 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:13 | 0.0 | 15.2 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.4 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:17 | 0.0 | 9.1 | 7.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:17 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:40 | 0.3 | 21.5 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:40 | 0.3 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 47.0 | 5.1 | 5.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 47.0 | 3.1 | 3.1 | 0.8 | 15 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 3/14/2013 | 13:04 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 20s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:04 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:36 | 0.0 | 15.2 | 4.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:36 | 0.0 | 15.2 | 4.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:33 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:33 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:30 | 0.1 | 9.4 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:30 | 0.1 | 9.6 | 8.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:53 | 80.1 | 2.3 | 3.0 | 0.4 | 8 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:53 | 80.1 | 2.4 | 3.3 | 0.6 | 13 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/21/2013 | 13:40 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | 20s - 30s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 0.0 | 15.1 | 4.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 0.0 | 15.1 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:57 | 0.0 | 6.7 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:57 | 0.0 | 6.8 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:11 | 85.5 | 4.7 | 3.6 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:11 | 85.5 | 2.5 | 3.3 | 0.8 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/28/2013 | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 40s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:41 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:21 | 0.0 | 15.4 | 5.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:21 | 0.0 | 15.5 | 4.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:16 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:16 | 0.0 | 7.2 | 9.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 109.0 | 3.1 | 3.4 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 109.0 | 3.3 | 3.2 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/4/2013 | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 30s - 50s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:27 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:31 | 0.4 | 16.1 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:31 | 0.4 | 15.9 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:32 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:38 | 87.2 | 11.7 | 1.8 | 0.4 | 7 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:38 | 87.2 | 13.3 | 1.6 | 0.4 | 8 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/9/2013 | 13:23 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | 50s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:23 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:19 | 1.1 | 15.5 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:19 | 1.1 | 15.6 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:26 | 1.3 | 6.5 | 9.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:26 | 1.3 | 10.0 | 6.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:31 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:31 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:31 | 102.1 | 3.5 | 3.8 | 0.5 | 11 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:31 | 102.1 | 3.7 | 3.6 | 0.7 | 14 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/18/2013 | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.7 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.1 | 15.2 | 4.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.1 | 15.2 | 4.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:37 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:35 | 0.1 | 20.4 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:35 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 134.9 | 1.6 | 5.2 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 134.9 | 1.7 | 5.3 | 0.9 | 18 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 4/23/2013 | 14:09 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | 50s - 60s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:09 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:55 | 0.3 | 16.1 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:55 | 0.3 | 15.9 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:52 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:52 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 0.2 | 6.9 | 10.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 0.2 | 6.9 | 10.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:00 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:00 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:04 | 77.6 | 3.5 | 4.1 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:04 | 77.6 | 3.5 | 4.6 | 0.8 | 16 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/30/2013 | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | 40s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:39 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:58 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:58 | 0.0 | 16.6 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:16 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:16 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:02 | 0.5 | 7.1 | 9.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:02 | 0.5 | 6.8 | 10.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:21 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:21 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:06 | 60.1 | 2.5 | 5.8 | 0.5 | 10 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:06 | 60.1 | 2.6 | 4.9 | 0.8 | 17 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/9/2013 | 13:35 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 20.6 | 20.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:49 | 0.0 | 17.5 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:49 | 0.0 | 17.3 | 2.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:19 | 0.0 | 19.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:19 | 0.0 | 19.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.4 | 7.0 | 10.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.4 | 7.1 | 10.8 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:55 | 31.5 | 2.2 | 5.8 | 0.6 | 12 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:55 | 31.5 | 2.3 | 5.5 | 0.9 | 18 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/16/2013 | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 40s - 80s | ~1 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.0 | 18.1 | 2.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.0 | 17.9 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:33 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:33 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:31 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:59 | 120.3 | 1.8 | 6.5 | 0.8 | 15 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:59 | 120.3 | 1.5 | 6.6 | 1.1 | 22 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/21/2013 | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 40s - 80s | ~0.2 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:06 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:37 | 0.0 | 18.8 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:37 | 0.0 | 18.7 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:50 | 0.0 | 19.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:50 | 0.0 | 19.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:41 | 0.9 | 6.7 | 12.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:41 | 0.9 | 6.8 | 12.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:58 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:44 | 79.5 | 3.1 | 7.0 | 0.6 | 13 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:44 | 79.5 | 3.1 | 6.6 | 1.0 | 20 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/30/2013 | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 50s - 80s | ~1.3 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:20 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:48 | 1.7 | 18.6 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:48 | 1.7 | 18.4 | 2.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:36 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:56 | 137.2 | 1.5 | 7.2 | 0.8 | 17 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:56 | 137.2 | 1.6 | 7.4 | 1.2 | 25 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 6/6/2013 | 13:51 | 0.1 | 20.9 | 0.0 | 0.0 | 0 | 60s | 0.25 inch | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:51 | 0.1 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:28 | 1.8 | 19.2 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:28 | 1.8 | 19.0 | 2.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:56 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:56 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:55 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:35 | 126.8 | 4.3 | 6.5 | 0.8 | 16 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:35 | 126.8 | 4.4 | 6.8 | 1.1 | 23 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/13/2013 | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 80s | 1.55 inches | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:25 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.0 | 18.6 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.0 | 19.9 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 0.7 | 6.6 | 12.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 0.7 | 6.6 | 12.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:13 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 86.4 | 2.0 | 7.5 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 86.4 | 1.9 | 7.6 | 1.4 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/20/2013 | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | -- | 0.9 | 19.4 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | -- | 0.9 | 19.2 | 1.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | -- | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | -- | 2.3 | 6.4 | 11.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | -- | 2.3 | 6.5 | 12.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | -- | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | -- | 235.1 | 2.5 | 7.6 | 1.0 | 21 | | | |
| 5173 / 1 / C / Storage area without filter | | -- | 235.1 | 2.4 | 7.4 | 1.8 | 37 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/27/2013 | 13:12 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 70s - 80s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:12 | 21.5 | 0.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:23 | 0.2 | 19.8 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:23 | 0.2 | 19.6 | 1.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:02 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:18 | 0.0 | 8.6 | 11.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:18 | 0.0 | 8.3 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:30 | 223.0 | 3.1 | 5.7 | 1.3 | 26 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:30 | 223.0 | 3.0 | 7.6 | 1.6 | 32 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/3/2013 | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 80s | Trace | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:51 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:09 | 0.0 | 19.0 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:09 | 0.0 | 19.0 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:47 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:47 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:05 | 5.0 | 7.7 | 10.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:05 | 5.0 | 7.7 | 11.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:49 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:25 | 217 | 3.3 | 6.5 | 1.2 | 25 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:25 | 217 | 3.0 | 7.4 | 1.6 | 32 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/11/2013 | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:20 | 2.4 | 19.3 | 1.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:20 | 2.4 | 19.2 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:30 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:25 | 102.6 | 1.7 | 7.8 | 1.2 | 24 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:25 | 102.6 | 1.9 | 8.0 | 1.8 | 35 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 7/18/2013 | 12:34 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 70s - 90s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:16 | 1.9 | 19.7 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:16 | 1.9 | 19.8 | 1.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:30 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:09 | 5.0 | 8.0 | 11.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:09 | 5.0 | 7.7 | 11.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:32 | 0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:32 | 0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:45 | 126.3 | 2.0 | 8.0 | 1.3 | 25 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:45 | 126.3 | 2.9 | 8.0 | 1.9 | 37 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/25/2013 | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 50s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:18 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:46 | 2.4 | 19.6 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:46 | 2.4 | 19.6 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:16 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:16 | 0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:51 | 113.6 | 2.7 | 7.4 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:51 | 113.6 | 2.8 | 7.7 | 1.9 | 38 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/1/2013 | 13:34 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:34 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:41 | 1.0 | 18.9 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:41 | 1.0 | 19.0 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:35 | 0.9 | 7.4 | 11.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:35 | 0.9 | 7.5 | 11.5 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:32 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:32 | 0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:46 | 173.9 | 2.1 | 6.7 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:46 | 173.9 | 2.5 | 7.4 | 2.1 | 41 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/6/2013 | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 60s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:08 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:15 | 1.5 | 18.7 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:15 | 1.5 | 18.6 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:04 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:04 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:06 | 0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:21 | 151.3 | 2.6 | 7.0 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:21 | 151.3 | 3.0 | 7.0 | 2.2 | 44 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/15/2013 | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 40s - 70s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 12:52 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:51 | 0.3 | 19.3 | 2.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:51 | 0.3 | 19.2 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:50 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:45 | 1.8 | 6.4 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:45 | 1.8 | 6.6 | 11.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:54 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:57 | 85.8 | 2.3 | 6.6 | 1.5 | 30 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:57 | 85.8 | 2.8 | 6.7 | 2.0 | 40 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/22/2013 | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.0 | 18.9 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 91.2 | 1.6 | 7.0 | 1.4 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 91.2 | 1.8 | 7.0 | 2.2 | 45 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 8/27/2013 | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 70s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:30 | 1.9 | 19.2 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:30 | 1.9 | 19.1 | 1.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:25 | 0.0 | 20.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:25 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:27 | 0.1 | 20.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:27 | 0.1 | 20.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:35 | 91.4 | 3.1 | 6.4 | 1.5 | 29 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:35 | 91.4 | 2.0 | 7.0 | 2.6 | 51 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/5/2013 | 15:09 | - | 21.0 | 0.0 | 0.0 | 0 | 50s - 80s | None | |
| 5173 / 1 / A / Office area ambient air without filter | | 15:09 | - | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:32 | 1.0 | 19.2 | 1.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:32 | 1.0 | 19.1 | 1.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 15:00 | - | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 15:00 | - | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:40 | 1.5 | 6.4 | 11.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:40 | 1.5 | 6.6 | 11.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:16 | - | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:16 | 0 | 2.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:46 | 85 | 2.3 | 6.9 | 1.6 | 33 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:46 | 85 | 2.3 | 6.8 | 2.2 | 45 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/12/2013 | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 60s-80s | 0.29 inches | |
| 5173 / 1 / A / Office area ambient air without filter | | 14:42 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 17:35 | 0.3 | 20.0 | 0.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 17:35 | 0.3 | 19.9 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:55 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 17:40 | 0.0 | 6.8 | 11.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 17:40 | 0.0 | 6.8 | 11.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:04 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 17:43 | 83.4 | 2.4 | 7.0 | 1.7 | 33 | | | |
| 5173 / 1 / C / Storage area without filter | | 17:43 | 83.4 | 2.4 | 6.9 | 2.3 | 46 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/20/2013 | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | 60s - 80s | 0.6 inches | 1009 - 1013 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:28 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:20 | 0.4 | 18.7 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:20 | 0.4 | 18.6 | 1.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:36 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:24 | 1.2 | 6.5 | 10.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:24 | 1.2 | 6.5 | 10.9 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:44 | 0.2 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:29 | 88.9 | 2.0 | 6.3 | 1.4 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:29 | 88.9 | 2.1 | 6.1 | 1.9 | 38 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 9/24/2013 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 40s - 70s | None | 1016 - 1018 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:44 | 0.3 | 18.1 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:44 | 0.3 | 18.0 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:38 | 1.2 | 6.7 | 10.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:38 | 1.2 | 6.7 | 10.6 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:41 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:41 | 0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 113.7 | 2.0 | 5.7 | 1.6 | 31 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 113.7 | 2.0 | 5.9 | 2.1 | 41 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/3/2013 | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 60s - 70s | 0.27 inches | 1015 - 1022 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:39 | 0.0 | 17.9 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:39 | 0.0 | 17.9 | 1.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:18 | 0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:18 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:41 | 121.1 | 1.7 | 5.2 | 1.5 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:41 | 121.1 | 1.8 | 5.9 | 2.0 | 40 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 10/10/2013 | 13:26 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 40s - 70s | None | 1020 - 1022 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:26 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:56 | 0.6 | 16.2 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:56 | 0.6 | 16.2 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:03 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:01 | 1.3 | 6.0 | 9.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:01 | 1.3 | 5.8 | 10.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:13 | 0.05 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:12 | 91.55 | 2.4 | 5.6 | 1.4 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:12 | 91.55 | 1.8 | 5.2 | 1.9 | 39 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/17/2013 | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | 40s - 50s | 0.1 inches | 1011 - 1014 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:14 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:53 | 0.5 | 16.4 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:53 | 0.5 | 16.3 | 2.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:20 | 0 | 20.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:20 | 0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:58 | 138.6 | 2.4 | 4.9 | 1.4 | 28 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:58 | 138.6 | 2.2 | 5.2 | 1.9 | 38 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/24/2013 | 12:26 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:26 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:50 | 3.6 | 16.2 | 1.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:50 | 3.6 | 16.0 | 2.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:54 | 223 | 4.3 | 2.5 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:54 | 223 | 4.9 | 4.2 | 1.3 | 25 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/31/2013 | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:36 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:17 | 1.5 | 16.6 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:17 | 1.5 | 16.8 | 2.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:13 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:13 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:21 | 1.9 | 10.3 | 6.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:21 | 1.9 | 10.3 | 7.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:26 | 0.3 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:26 | 0.3 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:26 | 103.3 | 7.4 | 3.7 | 0.7 | 14 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:26 | 103.3 | 7.4 | 3.2 | 1.0 | 19 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/7/2013 | 12:48 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | 40s | Trace (0.04 inches) | 1020 - 1025 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:04 | 1.5 | 15.3 | 3.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:04 | 1.5 | 15.2 | 3.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:51 | 0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:09 | 112.3 | 3.0 | 3.7 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:09 | 112.3 | 3.0 | 4.2 | 1.3 | 26 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/12/2013 | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:48 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:45 | 1.2 | 15.3 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:45 | 1.2 | 15.2 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:44 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:44 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:52 | 105.9 | 3.1 | 3.4 | 1.0 | 20 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:52 | 105.9 | 2.9 | 3.9 | 1.3 | 26 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 11/20/2013 | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 20s - 40s | None | 1023 - 1026 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 15.5 | 3.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 15.2 | 3.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:42 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:47 | 0.0 | 6.7 | 8.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:47 | 0.0 | 6.4 | 9.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:35 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:49 | 133.9 | 3.2 | 4.3 | 0.9 | 18 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:49 | 133.9 | 2.8 | 3.7 | 1.3 | 28 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/26/2013 | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 30s | Trace (0.01 inches) | 1013 - 1019 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:10 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:45 | 0.0 | 14.6 | 4.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:45 | 0.0 | 14.8 | 3.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:15 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:15 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:51 | 0.0 | 6.5 | 8.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:51 | 0.0 | 6.6 | 9.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:56 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:56 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:57 | 90.7 | 2.3 | 4.2 | 1.0 | 19 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:57 | 90.7 | 2.2 | 3.5 | 1.3 | 26 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/5/2013 | 13:33 | 0.1 | 21.8 | 0.0 | 0.0 | 0 | 30s - 40s | 0.07 inches | 1013 - 1016 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:33 | 0.1 | 21.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:07 | 1.2 | 14.8 | 3.6 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:07 | 1.2 | 14.8 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:14 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:14 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:59 | 1.9 | 6.6 | 8.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:59 | 1.9 | 6.6 | 9.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:25 | 0.3 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:25 | 0.3 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:11 | 189.7 | 2.8 | 3.5 | 0.9 | 18 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:11 | 189.7 | 2.7 | 3.5 | 1.3 | 26 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/12/2013 | 13:59 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | 15 - 20 | None | 1030 - 1036 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:59 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:52 | 0.6 | 18.8 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:52 | 0.6 | 19.2 | 1.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:18 | 0.0 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:18 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | | 1.6 | 6.8 | 8.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | | 1.6 | 6.5 | 9.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:33 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:33 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:57 | 96.2 | 8.8 | 2.9 | 0.3 | 6 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:57 | 96.2 | 8.7 | 2.7 | 0.5 | 9 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 12/19/2013 | 14:36 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | 30s - 40s | None | 1016 - 1018 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:36 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:00 | 0.6 | 20.8 | 0.5 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:00 | 0.6 | 20.7 | 0.6 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:39 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:05 | 0.0 | 9.0 | 7.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:05 | 0.0 | 9.1 | 8.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:23 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:08 | 116.3 | 11.8 | 1.3 | 0.1 | 1 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:08 | 116.3 | 11.7 | 1.8 | 0.2 | 3 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 12/23/2013 | 12:46 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:46 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:04 | 0.0 | 16.4 | 4.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:04 | 0.0 | 16.5 | 2.7 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:41 | 0.0 | 21.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:41 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:10 | 0.4 | 11.0 | 7.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:10 | 0.4 | 10.6 | 8.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0.0 | 21.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:15 | 126.8 | 13.2 | 2.9 | 0.2 | 3 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:15 | 126.8 | 13.4 | 1.8 | 0.2 | 4 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/2/2014 | 15:48 | 0.0 | 22.0 | 0.0 | 0.0 | 0 | 20 - 30 | 5.46 inches | 1012 - 1026 |
| 5173 / 1 / A / Office area ambient air without filter | | 15:48 | 0.0 | 22.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 16:25 | 0.8 | 21.2 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 16:25 | 0.8 | 21.1 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 15:42 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 15:42 | 0.0 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:28 | 86.4 | 15.0 | 0.5 | 0.0 | 0.1 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:28 | 86.4 | 14.7 | 1.4 | 0.1 | 3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/9/2014 | 13:35 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 20s - 30s | 1.55 inches | 1026 - 1035 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:56 | 3.3 | 20.7 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:56 | 3.3 | 21.0 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:31 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:33 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:33 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 81.4 | 10.2 | 0.8 | 0.1 | 3 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 81.4 | 9.8 | 1.4 | 0.2 | 5 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/16/2014 | 12:34 | 0.0 | 21.1 | 0.0 | 0.0 | 0 | 20s - 30s | 0.97 inches | 1008 - 1019 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:34 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:13 | 2.1 | 21.0 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:13 | 2.1 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:36 | 0.0 | 20.9 | 0 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:36 | 0.0 | 20.9 | 0 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:37 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:37 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:20 | 96.1 | 14.7 | 1.0 | 0.1 | 3 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:20 | 96.1 | 14.6 | 1.5 | 0.2 | 4 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/23/2014 | 12:13 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 5 - 15 | Trace | 1019 - 1038 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:13 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:20 | 2.6 | 21.2 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:20 | 2.6 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:10 | 0.0 | 21.4 | 0.1 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:10 | 0.0 | 21.4 | 0 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 13:13 | 3.4 | 18.8 | 5.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 13:13 | 3.4 | 18.7 | 4.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:12 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:12 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:27 | 72.8 | 15.8 | 0.5 | 0.1 | 2 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:27 | 72.8 | 15.7 | 1.2 | 0.2 | 4 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 1/28/2014 | 13:35 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | 5 | None | 1030 - 1033 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.8 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:35 | 0.0 | 21.1 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:35 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:15 | 0.1 | 21.3 | 0 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:15 | 0.1 | 21.4 | 0 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 14:44 | 0.0 | 18.8 | 3.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 14:44 | 0.0 | 18.8 | 4.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:19 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:19 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:50 | 60.9 | 15.5 | 0.7 | 0.1 | 1 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:50 | 60.9 | 15.0 | 1.2 | 0.2 | 3 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 2/6/2014 | 13:10 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | 15 - 25 | 0.3 inches | 1029 - 1032 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:10 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:00 | 2.3 | 21.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:00 | 2.3 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:12 | 0.0 | 20.9 | 0.1 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:12 | 0.0 | 20.9 | 0 | 0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:14 | 0.0 | 21.0 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:14 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 105.9 | 16.9 | 1.0 | 0.1 | 2 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:10 | 105.9 | 16.8 | 1.2 | 0.1 | 2 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/13/2014 | 13:48 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 25 - 35 | None | 1003 - 1018 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:48 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:30 | 1.8 | 20.9 | 2.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:30 | 1.8 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:40 | 0.0 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:40 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:25 | 4.1 | 19.2 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:25 | 4.1 | 19.1 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 9:43 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 9:43 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 9:55 | 117.4 | 15.9 | 0.8 | 0.1 | 1 | | | |
| 5173 / 1 / C / Storage area without filter | | 9:55 | 117.4 | 15.8 | 1.2 | 0.1 | 1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/20/2014 | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 35 - 40 | None | 1010 - 1014 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:43 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:25 | 0.4 | 20.5 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:25 | 0.4 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:44 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:44 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:45 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:45 | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:32 | 63.4 | 16.5 | 1.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:32 | 63.4 | 16.5 | 1.2 | 0.1 | 2 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 2/27/2014 | 12:56 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | 15 - 25 | Trace | 1008 - 1024 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:56 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:25 | 0.9 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:25 | 0.9 | 21.1 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:54 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:54 | 0.0 | 21.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:52 | 0.0 | 21.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:52 | 0.0 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:32 | 64.0 | 16.5 | 2.3 | 0.1 | 1 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:32 | 64.0 | 16.6 | 1.1 | 0.2 | 3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 3/6/2014 | 13:40 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 35 - 45 | None | 1020 - 1029 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:40 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:40 | 0.2 | 20.7 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:40 | 0.2 | 20.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:50 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:00 | 57.1 | 16.0 | 1.2 | 0.1 | 2 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:00 | 57.1 | 15.8 | 1.2 | 0.1 | 3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 4/2/2014 | 12:44 | 0.0 | 21.4 | 0.1 | 0.0 | 0 | 50s | Trace (0.15 inches) | 1020 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:44 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | | 1.0 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | | 1.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 12:42 | 0.1 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 12:42 | 0.1 | 21.4 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:40 | 0.1 | 21.3 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:40 | 0.1 | 21.3 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | | 65.3 | 16.3 | 1.2 | 0.1 | 1 | | | |
| 5173 / 1 / C / Storage area without filter | | | 65.3 | 16.4 | 1.0 | 0.1 | 2 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 5/8/2014 [3] | 15:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 75-85 | None | 1013-1017 |
| 5173 / 1 / A / Office area ambient air without filter | | 15:05 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:55 | 0.1 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:55 | 0.1 | 20.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 14:50 | 0.0 | 19.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 14:50 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:49 | 2.0 | 18.1 | 1.9 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:49 | 2.0 | 18.1 | 2.1 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:57 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:57 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:58 | 51.1 | 18.2 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:58 | 51.1 | 18.2 | 1.2 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 6/3/2014 | 12:17 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 75-85 | Trace | 1011-1014 |
| 5173 / 1 / A / Office area ambient air without filter | | 12:17 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 12:32 | 0.3 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 12:32 | 0.3 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 12:43 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 12:43 | 0.1 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 12:50 | 30.9 | 16.9 | 2.3 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 12:50 | 30.9 | 16.8 | 2.5 | 0.1 | 2 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 7/17/2014 | 13:32 | 0.0 | 20.5 | 0.0 | 0.0 | 0 | 70-75 | None | 1016-1020 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:32 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:49 | 0.0 | 20.2 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:49 | 0.0 | 20.3 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:20 | 0.2 | 20.6 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:20 | 0.2 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:53 | 4.0 | 16.2 | 3.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:53 | 4.0 | 16.2 | 3.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:45 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:45 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:19 | 43.2 | 15.8 | 2.5 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:19 | 43.2 | 15.7 | 2.7 | 0.0 | 1 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/14/2014 | 13:35 | 0.0 | 20.9 | 0.0 | 0.0 | 0 | 70-80 | None | 1014-1017 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:35 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 15:13 | 0.8 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 15:13 | 0.8 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:08 | 0.2 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:08 | 0.2 | 20.9 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:08 | 4.7 | 16.9 | 3.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:08 | 4.7 | 16.9 | 3.4 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:22 | 0.3 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:22 | 0.3 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:18 | 51.9 | 16.6 | 2.8 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:18 | 51.9 | 16.6 | 2.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 10/9/2014 | | 0.0 | 20.7 | 0.1 | 0.0 | 0 | 50s | 0.3 inches | 1017-1021 |
| 5173 / 1 / A / Office area ambient air without filter | | | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 13:23 | 0.0 | 20.6 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 13:23 | 0.0 | 20.6 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | | 0.0 | 20.7 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | | 0.0 | 20.7 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / B / Firing Range without filter | | | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | | 0.0 | 20.7 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | | 0.0 | 20.6 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 13:29 | 60.4 | 18.3 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 13:29 | 60.4 | 18.1 | 1.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/26/2014 | 13:00 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | 30-35 | None | 1018-1023 |
| 5173 / 1 / A / Office area ambient air without filter | | 13:00 | 0.0 | 21.5 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:05 | 0.6 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:05 | 0.6 | 21.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:17 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:17 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:10 | 23.2 | 21.1 | 0.2 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:10 | 23.2 | 21.1 | 0.4 | 0.0 | 0 | | | |

**Table 1**

**Vapor Intrusion Sampling Values**
**Parcel 5173 Building 15 - Sim Trainer**
**2031 Dryden Road**
**South Dayton Dump And Landfill Site**
**Moraine, Ohio**

| Sample Location: Parcel / Building / Probe | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5173 / 1 / A / Office area ambient air with filter | 2/6/2015 | 14:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | 25-35 | None | 1022 - 1030 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:05 | 0.0 | 21.4 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | | 0.0 | 21.2 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | | 0.0 | 21.1 | 2.1 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation / Gas probe damaged per site personnel notification | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:19 | 0.1 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:19 | 0.1 | 21.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:33 | 11.7 | 20.5 | 0.5 | 0.1 | 3 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:33 | 11.7 | 20.6 | 0.5 | 0.1 | 3 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 5/20/2015 | 14:43 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | 50-60 | None | 1016 - 1022 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:43 | 0.0 | 20.9 | 0.1 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 16:35 | 0.4 | 20.9 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 16:35 | 0.4 | 21.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:47 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:47 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 16:33 | 4.7 | 18.8 | 1.8 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 16:33 | 4.7 | 18.9 | 1.7 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 14:02 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 14:02 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 16:54 | 12.3 | 18.8 | 0.8 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 16:54 | 12.3 | 18.7 | 0.9 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 8/20/2015 | 10:55 | 0.0 | 20.1 | 0.0 | 0.0 | 0 | 65-70 | Trace | 1009 - 1017 |
| 5173 / 1 / A / Office area ambient air without filter | | 10:55 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:39 | 0.0 | 20.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:39 | 0.0 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range | | Inaccessible due to Firing Range operation | | | | | | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 10:36 | 0.9 | 20.2 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 10:36 | 0.9 | 20.1 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 14:43 | 4.7 | 17.8 | 1.5 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 14:43 | 4.7 | 17.7 | 1.7 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area ambient air with filter | 11/5/2015 | 14:06 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | 60-70 | Trace | 1019 - 1021 |
| 5173 / 1 / A / Office area ambient air without filter | | 14:06 | 0.0 | 21.0 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area with filter | | 14:57 | 0.7 | 20.8 | 0.3 | 0.0 | 0 | | | |
| 5173 / 1 / A / Office area without filter | | 14:57 | 0.7 | 20.7 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air with filter | | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range ambient air without filter | | 13:43 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range with filter | | 15:05 | 2.8 | 19.7 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / B / Firing Range without filter | | 15:05 | 2.8 | 19.4 | 1.3 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, with filter | | 13:48 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / Storage area ambient air, without filter | | 13:48 | 0.0 | 20.8 | 0.0 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area with filter | | 15:10 | 3.7 | 19.3 | 0.4 | 0.0 | 0 | | | |
| 5173 / 1 / C / Storage area without filter | | 15:10 | 3.7 | 19.1 | 0.9 | 0.0 | 0 | | | |

Notes:

[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

closure.

[3]- CO2 readings started at 0.1 ppm.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

$O_2$ - Oxygen

$CO_2$ - Carbon Dioxide

$CH_4$ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 11/9/2012 | 13:54 | -- | 4.1 | 10.6 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | -- | 5.6 | 9.1 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | -- | | 2.0 | 11.6 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | | 4.6 | 10.0 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/15/2012 | 15:04 | 0.0 | 2.4 | 10.8 | 0.0 | 0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.3 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 15:09 | 0.0 | 1.0 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.9 | 11.4 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/20/2012 | 14:35 | 0.0 | 2.2 | 11.3 | 0.0 | 0 | 50s | Trace | | |
| GP-2 (12') with filter | | -- | 0.0 | 2.1 | 11.0 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 14:40 | 0.0 | 0.9 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 0.8 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 11/29/2012 | 13:53 | 0.0 | 4.3 | 11.0 | 0.0 | 0 | 40s - 50s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 4.7 | 11.2 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 13:58 | 0.0 | 2.1 | 12.1 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | 13:58 | 0.0 | 2.0 | 11.9 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/4/2012 | 16:03 | 0.0 | 6.6 | 9.6 | 0.0 | 0 | 50s | rainy (~0.3 inches) | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.7 | 8.5 | 0.0 | 0 | | | | |
| GP-2 (16') without filter | | 16:08 | -- | 6.1 | 10.3 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | -- | 6.4 | 9.2 | 0.0 | 0 | | | | |
| GP-2 (12') without filter | 12/13/2012 | 13:44 | 0.0 | 6.6 | 9.7 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 6.9 | 9.3 | 0.1 U | 2 U | | | | |
| GP-2 (16') without filter | | 13:39 | 0.0 | 3.7 | 11.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 4.1 | 10.2 | 0.1 U | 2 U | | | | |
| GP-2 (12') without filter | 12/18/2012 | 13:30 | 0.0 | 8.2 | 9.2 | 0.0 | 0 | 40s | none | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.1 | 8.9 | 0.0 | 1 [1] | | | | |
| GP-2 (16') without filter | | -- | 0.0 | 5.8 | 10.8 | 0.0 | 0 | | | | |
| GP-2 (16') with filter | | -- | 0.0 | 5.7 | 10.4 | 0.0 | 1 [1] | | | | |
| GP-2 (12') without filter | 1/24/2013 | 15:34 | 0.0 | 19.9 | 2.6 | 0.0 | 0.0 | 20s | none | | |
| GP-2 (12') with filter | | 15:34 | 0.0 | 18.6 | 2.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:40 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:40 | 0.0 | 16.9 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 1/31/2013 | 13:50 | 0.0 | 17.5 | 5.0 | 0.0 | 0.0 | 10s - 20s | none | | |
| GP-2 (12') with filter | | 13:50 | 0.0 | 17.1 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:55 | 0.0 | 16.8 | 5.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:55 | 0.0 | 17.2 | 3.4 | 0.0 | 0.0 | | | | |

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 2/7/2013 | 15:14 | 0.0 | 15.4 | 5.4 | 0.0 | 0.0 | 20s - 50s | none | | |
| GP-2 (12') with filter | | 15:14 | 0.0 | 16.0 | 3.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:17 | 0.0 | 15.0 | 6.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:17 | 0.0 | 15.3 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/12/2013 | 12:30 | 0.1 | 9.2 | 8.8 | 0.0 | 0.0 | 30s - 40s | none | | |
| GP-2 (12') with filter | | 12:30 | 0.1 | 9.7 | 8.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:45 | 0.0 | 7.5 | 9.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:45 | 0.0 | 6.9 | 8.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/21/2013 | 13:45 | 0.0 | 8.8 | 8.5 | 0.0 | 0.0 | 20s | trace | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 9.1 | 8.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:50 | 0.0 | 6.9 | 7.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:50 | 0.0 | 7.0 | 6.7 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 2/28/2013 | 12:45 | 0.0 | 15.8 | 4.9 | 0.0 | 0.0 | 30s - 40s | ~1 inch | | |
| GP-2 (12') with filter | | 12:45 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:49 | 0.0 | 13.6 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:49 | 0.0 | 13.5 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 | 3/7/2013 | Inaccessible due to snow cover from road plow activity | | | | | | 30s | None | | |
| GP-2 (12') without filter | 3/14/2013 | 13:45 | 0.0 | 16.2 | 4.3 | 0.0 | 0.0 | 20s - 40s | None | | |
| GP-2 (12') with filter | | 13:45 | 0.0 | 16.1 | 4.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:53 | 0.0 | 13.9 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:53 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/21/2013 | 12:20 | 0.0 | 15.9 | 3.8 | 0.0 | 0.0 | 20s - 30s | Trace | | |
| GP-2 (12') with filter | | 12:20 | 0.0 | 15.9 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:26 | 0.0 | 14.2 | 5.7 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:26 | 0.0 | 14.1 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 3/28/2013 | 12:10 | 0.0 | 14.6 | 6.1 | 0.0 | 0.0 | 30s - 40s | None | | |
| GP-2 (12') with filter | | 12:10 | 0.0 | 14.4 | 6.3 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 12:15 | 0.0 | 12.9 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 12:15 | 0.0 | 12.9 | 7.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/4/2013 | 14:04 | 0.0 | 15.7 | 5.2 | 0.0 | 0.0 | 30s - 50s | None | | |
| GP-2 (12') with filter | | 14:04 | 0.0 | 15.6 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 0.0 | 13.8 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:11 | 0.0 | 13.8 | 6.1 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/9/2013 | 13:56 | 0.0 | 13.9 | 5.2 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | 13:56 | 0.0 | 13.8 | 5.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:03 | 0.0 | 12.2 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:03 | 0.0 | 12.2 | 6.0 | 0.0 | 0.0 | | | | |

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 4/18/2013 | 13:48 | 0.0 | 14.7 | 6.1 | 0.0 | 0.0 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 13:48 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:54 | 0.0 | 13.2 | 7.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:54 | 0.0 | 13.3 | 7.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/23/2013 | 14:45 | 0.0 | 16.3 | 3.8 | 0.0 | 0.0 | 50s - 60s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 16.8 | 0.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:48 | 0.0 | 15.9 | 4.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:48 | 0.0 | 16.3 | 2.9 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 4/30/2013 | 14:45 | 0.0 | 16.8 | 3.4 | 0.0 | 0.0 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 0.0 | 17.0 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:50 | 0.0 | 16.3 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:50 | 0.0 | 16.7 | 1.6 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/9/2013 | 14:41 | 0.0 | 14.8 | 3.3 | 0.0 | 0.0 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:41 | 0.0 | 14.9 | 0.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:45 | 0.0 | 14.1 | 3.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 14:45 | 0.0 | 14.5 | 1.5 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/16/2013 | 13:25 | 0.0 | 15.3 | 4.1 | 0.0 | 0.0 | 40s - 80s | ~1 inch | | |
| GP-2 (12') with filter | | 13:25 | 0.0 | 15.3 | 4.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:32 | 0.0 | 13.9 | 4.8 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/21/2013 | 15:29 | 0.0 | 13.7 | 3.8 | 0.0 | 0.0 | 40s - 80s | ~0.2 inch | | |
| GP-2 (12') with filter | | 15:29 | 0.0 | 13.8 | 3.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:32 | 0.0 | 12.7 | 4.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:32 | 0.0 | 12.8 | 3.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 5/30/2013 | 13:20 | 0.0 | 15.8 | 3.8 | 0.0 | 0.0 | 50s - 80s | ~1.3 inch | | |
| GP-2 (12') with filter | | 13:20 | 0.0 | 15.8 | 3.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 13:25 | 0.0 | 13.1 | 5.1 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 13:25 | 0.0 | 13.0 | 5.3 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/6/2013 | 14:50 | 0.0 | 16.3 | 4.6 | 0.0 | 0.0 | 60s | 0.25 inch | | |
| GP-2 (12') with filter | | 14:50 | 0.0 | 16.2 | 4.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 15:00 | 0.0 | 14.7 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 15:00 | 0.0 | 14.7 | 6.2 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/13/2013 | 16:05 | 0.0 | 8.2 | 5.4 | 0.0 | 0.0 | 60s - 80s | 1.55 inch | | |
| GP-2 (12') with filter | | 16:05 | 0.0 | 7.5 | 5.4 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 16:10 | -- | 5.2 | 6.6 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | 16:10 | -- | 5.1 | 6.4 | 0.0 | 0.0 | | | | |

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 6/20/2013 | -- | 0.0 | 8.0 | 6.1 | 0.0 | 0.0 | 50s - 80s | None | | |
| GP-2 (12') with filter | | -- | 0.0 | 8.3 | 5.9 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | -- | -- | 5.3 | 6.5 | 0.0 | 0.0 | | | | |
| GP-2 (16') with filter | | -- | -- | 5.6 | 6.0 | 0.0 | 0.0 | | | | |
| GP-2 (12') without filter | 6/27/2013 | 14:06 | 0.6 | 15.9 | 1.5 | 0.0 | 0.0 | 70s - 80s | Trace | | |
| GP-2 (12') with filter | | 14:06 | 0.6 | 16.3 | 0.2 | 0.0 | 0.0 | | | | |
| GP-2 (16') without filter | | 14:11 | 43.6 | 3.7 | 2.6 | 1.6 | 30 | | | | |
| GP-2 (16') with filter | | 14:11 | 43.6 | 2.1 | 3.6 | 1.0 | 20 | | | | |
| GP-2 (12') without filter | 7/3/2013 | 13:18 | 23.5 | 6.9 | 4.9 | 1.4 | 28 | 60s - 80s | Trace | | |
| GP-2 (12') with filter | | 13:18 | 23.5 | 7.5 | 3.4 | 0.7 | 13 | | | | |
| GP-2 (16') without filter | | 13:22 | 59.6 | 1.9 | 7.1 | 5.8 | >100 | | | | |
| GP-2 (16') with filter | | 13:22 | 59.6 | 1.6 | 6.9 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/11/2013 | 14:45 | 40.4 | 4.0 | 6.5 | 6.5 | >100 | 60s - 70s | None | | |
| GP-2 (12') with filter | | 14:45 | 40.4 | 4.0 | 4.9 | 3.4 | 68 | | | | |
| GP-2 (16') without filter | | 14:51 | 55.6 | 4.6 | 6.2 | 11.2 | >100 | | | | |
| GP-2 (16') with filter | | 14:51 | 55.6 | 3.9 | 5.0 | 2.2 | 44 | | | | |
| GP-2 (12') without filter | 7/18/2013 | 14:35 | 20.4 | 17.7 | 1.2 | 0.5 | 10 | 70s - 90s | None | | |
| GP-2 (12') with filter | | 14:35 | 20.4 | 17.7 | 1.0 | 0.2 | 5 | | | | |
| GP-2 (16') without filter | | 14:41 | 44.3 | 1.9 | 7.4 | 5.1 | >100 | | | | |
| GP-2 (16') with filter | | 14:41 | 44.3 | 4.7 | 1.8 | 1.8 | 36 | | | | |
| GP-2 (12') without filter | 7/25/2013 | 14:15 | 38.7 | 4.8 | 6.5 | 3.8 | 75 | 50s - 70s | None | | |
| GP-2 (12') with filter | | 14:15 | 38.7 | 4.7 | 6.1 | 3.0 | 60 | | | | |
| GP-2 (16') without filter | | 14:20 | 48.3 | 4.4 | 7.9 | 4.0 | 80 | | | | |
| GP-2 (16') with filter | | 14:20 | 48.3 | 4.2 | 8.3 | 3.3 | 65 | | | | |
| GP-2 (12') without filter | 8/1/2013 | 14:00 | 83.5 | 8.1 | 5.3 | 1.4 | 28 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:00 | 83.5 | 6.2 | 4.9 | 1.1 | 21 | | | | |
| GP-2 (16') without filter | | 14:05 | 89.8 | 4.1 | 7.3 | 2.8 | 55 | | | | |
| GP-2 (16') with filter | | 14:05 | 89.8 | 3.1 | 7.2 | 1.8 | 35 | | | | |
| GP-2 (12') without filter | 8/6/2013 | 14:06 | 10.5 | 3.9 | 7.6 | 1.3 | 27 | 60s - 80s | None | | |
| GP-2 (12') with filter | | 14:06 | 10.5 | 3.7 | 5.9 | 1.0 | 21 | | | | |
| GP-2 (16') without filter | | 14:10 | 31.6 | 4.3 | 7.4 | 2.5 | 51 | | | | |
| GP-2 (16') with filter | | 14:10 | 31.6 | 3.1 | 6.1 | 1.7 | 34 | | | | |
| GP-2 (12') without filter | 8/15/2013 | 13:35 | 16.6 | 7.9 | 3.1 | 2.0 | 40 | 40s - 70s | None | | |
| GP-2 (12') with filter | | 13:35 | 16.6 | 7.7 | 3.3 | 1.6 | 32 | | | | |
| GP-2 (16') without filter | | 13:40 | 20.6 | 1.5 | 6.2 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:40 | 20.6 | 1.4 | 7.5 | 2.0 | 40 | | | | |

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 8/22/2013 | 14:41 | 33.9 | 3.2 | 8.0 | 2.3 | 47 | 60s - 80s | Trace (0.06 in.) | | |
| GP-2 (12') with filter | | 14:41 | 33.9 | 3.2 | 8.4 | 2.0 | 41 | | | | |
| GP-2 (16') without filter | | 14:45 | 55.0 | 1.8 | 8.5 | 4.3 | 87 | | | | |
| GP-2 (16') with filter | | 14:45 | 55.0 | 1.6 | 8.3 | 2.0 | 41 | | | | |
| GP-2 (12') without filter | 8/27/2013 | 14:21 | 22.8 | 2.5 | 8.4 | 3.7 | 74 | 70s - 80s | None | | |
| GP-2 (12') with filter | | 14:21 | 22.8 | 2.6 | 8.9 | 1.9 | 39 | | | | |
| GP-2 (16') without filter | | 14:26 | 39.5 | 2.3 | 8.7 | 7.9 | >100 | | | | |
| GP-2 (16') with filter | | 14:26 | 39.5 | 2.2 | 9.0 | 6.1 | >100 | | | | |
| GP-2 (12') without filter | 9/5/2013 | - | 31.3 | 2.2 | 8.7 | 7.0 | >100 | 50s - 80s | None | | |
| GP-2 (12') with filter | | - | 31.3 | 2.3 | 6.9 | 3.0 | 58 | | | | |
| GP-2 (16') without filter | | - | 39.0 | 3.1 | 8.3 | 8.4 | >100 | | | | |
| GP-2 (16') with filter | | - | 39.0 | 3.7 | 6.5 | 2.8 | 56 | | | | |
| GP-2 | 9/12/2013 | Inaccessible due to high water/flood conditions | | | | | | 60s - 80s | 0.29 inches | | |
| GP-2 (12') without filter | 9/20/2013 | | 24.7 | 2.6 | 8.7 | 3.2 | 65 | 60s - 80s | 0.6 inches | 1009 - 1013 | |
| GP-2 (12') with filter | | | 24.7 | 2.1 | 8.1 | 1.8 | 34 | | | | |
| GP-2 (16') without filter | | | 40.4 | 1.4 | 9.6 | 7.0 | >100 | | | | |
| GP-2 (16') with filter | | | 40.4 | 1.5 | 8.9 | 2.1 | 42 | | | | |
| GP-2 (12') without filter | 9/24/2013 | 14:27 | 55.7 | 1.8 | 9.6 | 3.6 | 71 | 40s - 70s | None | 1016 - 1018 | |
| GP-2 (12') with filter | | 14:27 | 55.7 | 1.9 | 9.2 | 3.3 | 67 | | | | |
| GP-2 (16') without filter | | 14:33 | 68.4 | 1.5 | 10.0 | 4.3 | 86 | | | | |
| GP-2 (16') with filter | | 14:33 | 68.4 | 1.6 | 10.6 | 3.9 | 78 | | | | |
| GP-2 (12') without filter | 10/3/2013 | 13:27 | 0.9 | 6.8 | 7.2 | 1.3 | 25 | 60s - 70s | 0.27 inches | 1015 - 1022 | |
| GP-2 (12') with filter | | 13:27 | 0.9 | 6.9 | 5.8 | 1.1 | 17 | | | | |
| GP-2 (16') without filter | | 13:35 | 53.6 | 3.6 | 8.9 | 2.2 | 44 | | | | |
| GP-2 (16') with filter | | 13:35 | 53.6 | 3.3 | 7.5 | 1.4 | 27 | | | | |
| GP-2 (12') without filter | 10/10/2013 | 13:41 | 18.6 | 0.7 | 10.3 | 1.9 | 38 | 40s - 70s | None | 1020 - 1022 | |
| GP-2 (12') with filter | | 13:41 | 18.6 | 0.5 | 10.2 | 1.3 | 27 | | | | |
| GP-2 (16') without filter | | 13:47 | 22.6 | 0.9 | 10.3 | 1.9 | 39 | | | | |
| GP-2 (16') with filter | | 13:47 | 22.6 | 1.7 | 9.0 | 1.2 | 25 | | | | |
| GP-2 (12') without filter | 10/17/2013 | 14:46 | 22.8 | 1.2 | 10.5 | 1.4 | 28 | 40s - 50s | 0.1 inches | 1011 - 1014 | MW-7: 18.56 |
| GP-2 (12') with filter | | 14:46 | 22.8 | 7.5 | 6.8 | 0.8 | 16 | | | | MW-8: 18.70 |
| GP-2 (16') without filter | | 14:50 | 23.1 | 1.3 | 10.6 | 1.5 | 29 | | | | MW-11: 20.31 |
| GP-2 (16') with filter | | 14:50 | 23.1 | 1.5 | 10.1 | 1.2 | 23 | | | | MW-12: 20.39 |
| GP-2 (12') without filter | 10/24/2013 | 13:42 | 0.0 | 1.5 | 10.9 | 0.0 | 0 | 30s - 40s | Trace (0.02 inches) | 1015 - 1025 | MW-7: 18:69 |
| GP-2 (12') with filter | | 13:42 | 0.0 | 1.6 | 10.2 | 0.0 | 0 | | | | MW-8: 18.83 |
| GP-2 (16') without filter | | 13:47 | 5.6 | 4.6 | 9.6 | 0.0 | 0 | | | | MW-11: 20.66 |
| GP-2 (16') with filter | | 13:47 | 5.6 | 4.9 | 8.6 | 0.0 | 0 | | | | MW-12: 20.44 |

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 10/31/2013 | 15:07 | 0.0 | 6.3 | 8.2 | 0.0 | 0 | 60s | 1.25 inches | 1000 - 1010 | MW-7: 18.71 |
| GP-2 (12') with filter | | 15:07 | 0.0 | 6.4 | 7.3 | 0.0 | 0 | | | | MW-8: 18.87 |
| GP-2 (16') without filter | | 15:13 | 1.1 | 6.4 | 8.3 | 0.0 | 0 | | | | MW-11: 20.69 |
| GP-2 (16') with filter | | 15:13 | 1.1 | 6.7 | 7.5 | 0.0 | 0 | | | | MW-12: 20.47 |
| GP-2 (12') without filter | 11/7/2013 | 13:45 | 0.0 | 4.6 | 9.5 | 0.0 | 0 | 40s | Trace (0.04 inches) | 1020 - 1025 | MW-7: 18.43 |
| GP-2 (12') with filter | | 13:45 | 0.0 | 4.1 | 7.9 | 0.0 | 0 | | | | MW-8: 18.57 |
| GP-2 (16') without filter | | 13:51 | 0.0 | 2.6 | 10.7 | 0.0 | 0 | | | | MW-11: 20.28 |
| GP-2 (16') with filter | | 13:51 | 0.0 | 2.6 | 10.2 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 11/12/2013 | 13:32 | 0.0 | 5.8 | 9.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) | 1030 - 1036 | MW-7: 18.28 |
| GP-2 (12') with filter | | 13:32 | 0.0 | 6.2 | 8.6 | 0.0 | 0 | | | | MW-8: 18.37 |
| GP-2 (16') without filter | | 13:38 | 0.0 | 5.4 | 9.6 | 0.0 | 0 | | | | MW-11: 20.02 |
| GP-2 (16') with filter | | 13:38 | 0.0 | 5.3 | 8.6 | 0.0 | 0 | | | | MW-12: 19.86 |
| GP-2 (12') without filter | 11/20/2013 | 14:10 | 0.0 | 4.5 | 10.1 | 0.0 | 0 | 20s - 40s | None | 1023 - 1026 | MW-7: 18.27 |
| GP-2 (12') with filter | | 14:10 | 0.0 | 5.0 | 8.3 | 0.0 | 0 | | | | MW-8: 18.40 |
| GP-2 (16') without filter | | 14:15 | 0.0 | 3.5 | 10.4 | 0.0 | 0 | | | | MW-11: 20.24 |
| GP-2 (16') with filter | | 14:15 | 0.0 | 4.0 | 9.8 | 0.0 | 0 | | | | MW-12: 20.02 |
| GP-2 (12') without filter | 11/26/2013 | 14:35 | 0.0 | 3.4 | 10.4 | 0.1 | 1 | 30s | Trace (0.01 inches) | 1013 - 1019 | MW-7: 18.10 |
| GP-2 (12') with filter | | 14:35 | 0.0 | 3.4 | 9.5 | 0.0 | 0 | | | | MW-8: 18.25 |
| GP-2 (16') without filter | | 14:39 | 0.0 | 3.3 | 10.7 | 0.1 | 1 | | | | MW-11: 20.07 |
| GP-2 (16') with filter | | 14:39 | 0.0 | 3.3 | 10.6 | 0.1 | 1 | | | | MW-12:19.85 |
| GP-2 (12') without filter | 12/5/2013 | 14:44 | 0.0 | 6.5 | 9.7 | 0.0 | 0 | 30s - 40s | 0.07 inches | 1013 - 1016 | MW-7: 18:38 |
| GP-2 (12') with filter | | 14:44 | 0.0 | 6.6 | 8.7 | 0.0 | 0 | | | | MW-8: 18.52 |
| GP-2 (16') without filter | | 14:49 | 0.0 | 7.3 | 9.1 | 0.0 | 0 | | | | MW-11: 20.35 |
| GP-2 (16') with filter | | 14:49 | 0.0 | 7.4 | 8.3 | 0.0 | 0 | | | | MW-12: 20.13 |
| GP-2 (12') without filter | 12/12/2013 | 15:45 | 0.0 | 9.9 | 8.5 | 0.0 | 0 | 15 - 20 | None | 1030 - 1036 | MW-7: 18.45 |
| GP-2 (12') with filter | | 15:45 | 0.0 | 9.7 | 8.3 | 0.0 | 0 | | | | MW-8: 18.60 |
| GP-2 (16') without filter | | 15:49 | 0.0 | 7.3 | 10.4 | 0.0 | 0 | | | | MW-11: 20.42 |
| GP-2 (16') with filter | | 15:49 | 0.0 | 6.9 | 9.8 | 0.0 | 0 | | | | MW-12: 20.20 |
| GP-2 (12') without filter | 12/19/2013 | 14:48 | 0.0 | 10.8 | 7.8 | 0.0 | 0 | 30s - 40s | None | 1016 - 1018 | MW-7: 18.39 |
| GP-2 (12') with filter | | 14:48 | 0.0 | 11.0 | 6.8 | 0.0 | 0 | | | | MW-8: 18.54 |
| GP-2 (16') without filter | | 14:51 | 0.0 | 9.0 | 8.9 | 0.0 | 0 | | | | MW-11: 20.37 |
| GP-2 (16') with filter | | 14:51 | 0.0 | 9.6 | 7.9 | 0.0 | 0 | | | | MW-12: 20.21 |
| GP-2 (12') without filter | 12/23/2013 | 11:20 | 0.0 | 8.1 | 7.9 | 0.0 | 0 | 20s - 30s | Trace (0.02 inches) | 1026 - 1029 | MW-7: 15.63 |
| GP-2 (12') with filter | | 11:20 | 0.0 | 8.1 | 6.9 | 0.0 | 0 | | | | MW-8: 15.72 |
| GP-2 (16') without filter | | 11:27 | 0.0 | 5.8 | 10.4 | 0.0 | 0 | | | | MW-11: 17.45 |
| GP-2 (16') with filter | | 11:27 | 0.0 | 7.6 | 8.7 | 0.0 | 0 | | | | MW-12: 17.32 |
| GP-2 (12') without filter | 1/2/2014 | 16:20 | 0.0 | 21.5 | 0.1 | 0.0 | 0 | 20s - 30s | 5.46 inches | 1012 - 1026 | MW-7: 15.24 |
| GP-2 (12') with filter | | 16:20 | 0.0 | 18.2 | 0.3 | 0.0 | 0 | | | | MW-8: 15.39 |
| GP-2 (16') without filter | | 16:24 | 0.0 | 21.4 | 0.3 | 0.0 | 0 | | | | MW-11: 17.21 |
| GP-2 (16') with filter | | 16:24 | 0.0 | 21.5 | 0.3 | 0.0 | 0 | | | | MW-12: 16.98 |

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 1/9/2014 | 14:40 | 0.0 | 13.8 | 6.6 | 0.0 | 0 | 20s - 30s | 1.55 inches | 1026 - 1035 | MW-7: 15.17 |
| GP-2 (12') with filter | | 14:40 | 0.0 | 14.0 | 6.0 | 0.0 | 0 | | | | MW-8: 15.28 |
| GP-2 (16') without filter | | 14:45 | 0.0 | 12.0 | 8.2 | 0.0 | 0 | | | | MW-11: 17.11 |
| GP-2 (16') with filter | | 14:45 | 0.0 | 13.1 | 6.7 | 0.0 | 0 | | | | MW-12: 16.98 |
| GP-2 (12') without filter | 1/16/2014 | 13:00 | 0.0 | 13.8 | 6.1 | 0.0 | 0 | 20s - 30s | 0.97 inches | 1008 - 1019 | MW-7: 15.93 |
| GP-2 (12') with filter | | 13:00 | 0.0 | 13.9 | 3.8 | 0.0 | 0 | | | | MW-8: 16.06 |
| GP-2 (16') without filter | | 13:07 | 0.0 | 12.9 | 7.2 | 0.0 | 0 | | | | MW-11: 17.90 |
| GP-2 (16') with filter | | 13:07 | 0.0 | 13.2 | 4.1 | 0.0 | 0 | | | | MW-12: 17.71 |
| GP-2 (12') without filter | 1/23/2014 | 13:00 | 0.0 | 16.8 | 5.1 | 0.0 | 0 | 5 - 15 | Trace | 1019 - 1038 | MW-7: 15.62 |
| GP-2 (12') with filter | | 13:00 | 0.0 | 16.5 | 4.7 | 0.0 | 0 | | | | MW-8: 15.83 |
| GP-2 (16') without filter | | 13:07 | 0.0 | 15.4 | 6.0 | 0.0 | 0 | | | | MW-11: 17.59 |
| GP-2 (16') with filter | | 13:07 | 0.0 | 15.3 | 4.9 | 0.0 | 0 | | | | MW-12: 17.46 |
| GP-2 (12') without filter | 1/28/2014 | 14:25 | 0.0 | 17.3 | 4.6 | 0.0 | 0 | 5 | None | 1030 - 1033 | MW-7: 17.27 |
| GP-2 (12') with filter | | 14:25 | 0.0 | 17.3 | 4.1 | 0.0 | 0 | | | | MW-8: 17.41 |
| GP-2 (16') without filter | | 14:30 | 0.0 | 15.2 | 6.5 | 0.0 | 0 | | | | MW-11 & MW- |
| GP-2 (16') with filter | | 14:30 | 0.0 | 15.2 | 5.8 | 0.0 | 0 | | | | 12: iced over |
| GP-2 (12') | 2/6/2014 | Inaccessible due to snow coverage from road plows | | | | | | 15 - 25 | 0.3 inches | 1029 - 1032 | Inaccessible |
| GP-2 (12') without filter | 2/13/2014 | 15:16 | 0.0 | 17.5 | 4.5 | 0.0 | 0 | 25 - 35 | None | 1003 - 1018 | MW-7: 17.62 |
| GP-2 (12') with filter | | 15:16 | 0.0 | 17.7 | 3.8 | 0.0 | 0 | | | | MW-8: 17.77 |
| GP-2 (16') without filter | | 15:20 | 0.0 | 19.3 | 2.2 | 0.0 | 0 | | | | MW-11 & MW- |
| GP-2 (16') with filter | | 15:20 | 0.0 | 19.5 | 0.6 | 0.0 | 0 | | | | 12: iced over |
| GP-2 (12') without filter | 2/20/2014 | 14:12 | 0.0 | 16.8 | 4.3 | 0.0 | 0 | 35 - 40 | None | 1010 - 1014 | MW-7: 17:53 |
| GP-2 (12') with filter | | 14:12 | 0.0 | 16.8 | 4.0 | 0.0 | 0 | | | | MW-8: 17.66 |
| GP-2 (16') without filter | | 14:14 | 0.0 | 15.8 | 5.4 | 0.0 | 0 | | | | MW-11: 19:50 |
| GP-2 (16') with filter | | 14:14 | 0.0 | 15.9 | 4.5 | 0.0 | 0 | | | | MW-12: 19.27 |
| GP-2 (12') without filter | 2/27/2014 | 13:10 | 0.1 | 19.3 | 2..3 | 0.0 | 0 | 15 - 25 | Trace | 1008 - 1024 | MW-7: 15.64 |
| GP-2 (12') with filter | | 13:10 | 0.1 | 19.4 | 1.7 | 0.0 | 0 | | | | MW-8: 15.78 |
| GP-2 (16') without filter | | 13:17 | 0.0 | 17.2 | 4.8 | 0.1 | 0 | | | | MW-11: 17.59 |
| GP-2 (16') with filter | | 13:17 | 0.0 | 17.4 | 4.1 | 0.0 | 0 | | | | MW-12: 17.41 |
| GP-2 (12') without filter | 3/6/2014 | 14:21 | 0.0 | 17.8 | 4.3 | 0.0 | 0 | 35 - 45 | None | 1020 - 1029 | MW-7: na |
| GP-2 (12') with filter | | 14:21 | 0.0 | 17.7 | 4.1 | 0.0 | 0 | | | | MW-8: na |
| GP-2 (16') without filter | | | 0.0 | 16.8 | 5.2 | 0.0 | 0 | | | | MW-11: na |
| GP-2 (16') with filter | | | 0.0 | 16.7 | 5.1 | 0.0 | 0 | | | | MW-12: na |
| GP-2 (12') without filter | 4/2/2014 | 11:57 | 0.0 | 18.1 | 3.5 | 0.0 | 0 | 50s | Trace (0.15 inches) | 1020 | MW-7: 14.12 |
| GP-2 (12') with filter | | 11:57 | 0.0 | 18.0 | 3.7 | 0.0 | 0 | | | | MW-8: 14.32 |
| GP-2 (16') without filter | | | 0.0 | 17.3 | 4.4 | 0.0 | 0 | | | | MW-11: 16.06 |
| GP-2 (16') with filter | | | 0.0 | 17.3 | 4.5 | 0.0 | 0 | | | | MW-12: 15.91 |
| GP-2 (12') without filter | 5/8/2014 [3] | 15:18 | 0.2 | 16.3 | 3.0 | 0.0 | 0 | 75-85 | None | 1013-1017 | MW-7: 16.84 |
| GP-2 (12') with filter | | 15:18 | 0.2 | 16.4 | 2.5 | 0.0 | 0 | | | | MW-8: 16.70 |
| GP-2 (16') without filter | | 15:22 | 0.5 | 20.3 | 0.0 | 0.0 | 0 | | | | MW-11: 18.68 |
| GP-2 (16') with filter | | 15:22 | 0.5 | 20.0 | 1.6 | 0.0 | 0 | | | | MW-12: 18.46 |

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 6/3/2014 | 15:40 | 0.0 | 12.6 | 4.1 | 0.0 | 0 | 75-85 | Trace | 1011-1014 | MW-7: na |
| GP-2 (12') with filter | | 15:40 | 0.0 | 12.6 | 3.7 | 0.0 | 0 | | | | MW-8: na |
| GP-2 (16') without filter | | 15:45 | 0.1 | 11.6 | 4.4 | 0.0 | 0 | | | | MW-11: na |
| GP-2 (16') with filter | | 15:45 | 0.1 | 11.7 | 4.4 | 0.0 | 0 | | | | MW-12: na |
| GP-2 (12') without filter | 7/17/2014 | 15:17 | 0.0 | 2.2 | 6.7 | 0.0 | 0 | 70-75 | None | 1016-1020 | MW-7: 17.37 |
| GP-2 (12') with filter | | 15:17 | 0.0 | 2.1 | 6.4 | 0.0 | 0 | | | | MW-8: 17.51 |
| GP-2 (16') without filter | | 15:23 | 15.0 | 1.7 | 6.7 | 1.7 | 35 | | | | MW-11: 19.36 |
| GP-2 (16') with filter | | 15:23 | 15.0 | 1.7 | 6.2 | 1.1 | 23 | | | | MW-12: 19.13 |
| GP-2 (12') without filter | 8/14/2014 | 14:40 | 13.3 | 2.2 | 7.4 | 1.6 | 33 | 70-80 | None | 1014-1017 | MW-7: 18.33 |
| GP-2 (12') with filter | | 14:40 | 13.3 | 2.3 | 6.4 | 1.4 | 29 | | | | MW-8: 18.19 |
| GP-2 (16') without filter | | 14:46 | 45.8 | 1.3 | 8.2 | 5.8 | >100 | | | | MW-11: 20.17 |
| GP-2 (16') with filter | | 14:46 | 45.8 | 1.3 | 7.6 | 2.4 | 49 | | | | MW-12: 19.94 |
| GP-2 (12') without filter | 8/21/2014 | 15:51 | 25.6 | 0.9 | 8.5 | 2.7 | 55 | 75-79 | 1.14 Inches | 1014-1018 | MW-7: na |
| GP-2 (12') with filter | | 15:51 | 25.6 | 0.9 | 8.2 | 1.8 | 36 | | | | MW-8: na |
| GP-2 (16') without filter | | 14:45 | 7.2 | 0.8 | 9.2 | 6.0 | >100 | | | | MW-11: na |
| GP-2 (16') with filter | | 14:45 | 7.2 | 0.8 | 8.2 | 2.4 | 48 | | | | MW-12: na |
| GP-2 (12') without filter | 8/28/2014 | 11:40 | 35.4 | 0.7 | 9.2 | 4.5 | 90 | 75--80 | None | 1016-1019 | MW-7: 18.11 |
| GP-2 (12') with filter | | 11:40 | 35.4 | 0.7 | 7.4 | 2.4 | 48 | | | | MW-8: 18.25 |
| GP-2 (16') without filter | | 11:43 | 40.0 | 1.7 | 9.5 | 5.9 | >100 | | | | MW-11: 20.10 |
| GP-2 (16') with filter | | 11:43 | 40.0 | 1.6 | 8.3 | 2.2 | 45 | | | | MW-12: 19.87 |
| GP-2 (12') without filter | 9/4/2014 | 14:40 | 26.5 | 3.8 | 7.6 | 2.3 | 46 | 85-90 | None | 1016-1019 | MW-7: na |
| GP-2 (12') with filter | | 14:40 | 26.5 | 3.9 | 7.9 | 2.1 | 41 | | | | MW-8: na |
| GP-2 (16') without filter | | 14:45 | 38.2 | 6.1 | 7.1 | 3.3 | 66 | | | | MW-11: na |
| GP-2 (16') with filter | | 14:45 | 38.2 | 6.1 | 7.3 | 3.0 | 60 | | | | MW-12: na |
| GP-2 (12') without filter | 10/9/2014 | 13:34 | 0.0 | 4.8 | 9.0 | 0.0 | 0 | 50s | 0.3 Inches | 1017-1021 | MW-7: na |
| GP-2 (12') with filter | | 13:34 | 0.0 | 5.2 | 9.3 | 0.0 | 0 | | | | MW-8: na |
| GP-2 (16') without filter | | 13:40 | 0.0 | 3.5 | 10.4 | 0.0 | 0 | | | | MW-11: na |
| GP-2 (16') with filter | | 13:40 | 0.0 | 3.6 | 10.2 | 0.0 | 0 | | | | MW-12: na |
| GP-2 (12') without filter | 11/26/2014 | 13:43 | 0.0 | 14.6 | 4.1 | 0.0 | 0 | 30-35 | None | 1018-1023 | MW-7: na |
| GP-2 (12') with filter | | 13:43 | 0.0 | 15.0 | 1.6 | 0.0 | 0 | | | | MW-8: na |
| GP-2 (16') without filter | | 13:46 | 0.0 | 13.6 | 4.6 | 0.0 | 0 | | | | MW-11: na |
| GP-2 (16') with filter | | 13:46 | 0.0 | 13.4 | 2.3 | 0.0 | 0 | | | | MW-12: na |
| GP-2 (12') without filter | 2/6/2015 | 16:00 | 0.0 | 20.6 | 0.0 | 0.0 | 0 | 25-35 | None | 1022 - 1030 | MW-7: 17.85 |
| GP-2 (12') with filter | | 16:00 | 0.0 | 20.7 | 0.0 | 0.0 | 0 | | | | MW-8: 17.98 |
| GP-2 (16') without filter | | 16:04 | 0.0 | 14.7 | 5.9 | 0.0 | 0 | | | | MW-11: 19.81 |
| GP-2 (16') with filter | | 16:04 | 0.0 | 14.8 | 5.2 | 0.0 | 0 | | | | MW-12: 19.59 |
| GP-2 (12') without filter | 5/20/2015 | 16:09 | 0.0 | 9.5 | 4.2 | 0.0 | 0 | 50-60 | None | 1016 - 1022 | MW-7: 17.45 |
| GP-2 (12') with filter | | 16:09 | 0.0 | 9.8 | 3.4 | 0.0 | 0 | | | | MW-8: 17.60 |
| GP-2 (16') without filter | | 16:11 | 0.0 | 7.1 | 5.2 | 0.0 | 0 | | | | MW-11: 19.43 |
| GP-2 (16') with filter | | 16:11 | 0.0 | 7.0 | 4.9 | 0.0 | 0 | | | | MW-12: 19.21 |
| GP-2 (12') without filter | 8/20/2015 | 14:00 | 0.0 | 4.4 | 9.0 | 0.0 | 0 | 65-70 | trace | 1009 - 1017 | MW-7: 17.75 |
| GP-2 (12') with filter | | 14:00 | 0.0 | 4.4 | 8.4 | 0.0 | 0 | | | | MW-8: 17.56 |
| GP-2 (16') without filter | | 14:04 | 1.2 | 2.3 | 9.8 | 0.1 | 3 | | | | MW-11: 19.54 |
| GP-2 (16') with filter | | 14:04 | 1.2 | 2.5 | 9.6 | 0.1 | 2 | | | | MW-12: 19.30 |

**Table 2**

**GP-2 Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$[2] (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation | Barometric Pressure (hPa) | Water Levels (ft BTOR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-2 (12') without filter | 11/5/2015 | 14:22 | 0.0 | 2.2 | 9.7 | 0.0 | 0 | 60-70 | trace | 1019 - 1021 | MW-7: 18.60 |
| GP-2 (12') with filter | | 14:22 | 0.0 | 2.3 | 7.5 | 0.0 | 0 | | | | MW-8: 18.46 |
| GP-2 (16') without filter | | 14:25 | 0.0 | 1.2 | 10.5 | 0.0 | 0 | | | | MW-11: 20.43 |
| GP-2 (16') with filter | | 14:25 | 0.0 | 1.2 | 8.7 | 0.0 | 0 | | | | MW-12: 20.20 |

Notes

[1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.
[2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.
[3] -$CO_2$ readings started at 0.1 ppm.
PID - Photoionization Detector
$O_2$ - Oxygen
$CO_2$ - Carbon Dioxide
$CH_4$ - Methane
LEL - Lower Explosive Limit
NM - Not measured
U - Qualified as non-detect due to issues with the filter
Value - Value is greater than LEL for methane (5 percent methane)

**Table 3**

**Soil Gas Probe Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|---|---|---|---|---|---|---|---|---|
| GP22-13 (20') without filter | 7/11/2013 | 14:55 | 0.1 | 8.4 | 3.4 | 0.0 | 0 | 60s - 70s | None |
| GP22-13 (20') with filter | | 14:55 | 0.1 | 8.4 | 3.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:01 | 0.9 | 15.6 | 3.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:01 | 0.9 | 15.0 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 10.1 | 7.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:05 | 1.4 | 8.6 | 7.5 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:10 | 0.3 | 11.5 | 6.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:10 | 0.3 | 11.4 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | 7/18/2013 | 15:31 | 0.0 | 16.2 | 3.0 | 0.0 | 0 | 70s - 90s | None |
| GP-7 (8') with filter | | 15:31 | 0.0 | 16.1 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 15:31 | 0.0 | 13.0 | 5.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 15:31 | 0.0 | 13.4 | 4.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 15:25 | 0.1 | 0.9 | 10.2 | 0.5 | 12 | | |
| GP12-09 (6') with filter | | 15:25 | 0.1 | 1.2 | 11.3 | 0.6 | 12 | | |
| GP22-13 (20') without filter | | 14:45 | 0.3 | 14.5 | 1.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:45 | 0.3 | 14.6 | 1.3 | 0.1 | 1 | | |
| GP23-13 (18.5') without filter | | 14:51 | 0.0 | 12.2 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:51 | 0.0 | 12.4 | 6.0 | 0.1 | 1 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.4 | 4.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:57 | 0.6 | 14.2 | 4.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:02 | 0.0 | 14.1 | 4.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:02 | 0.0 | 16.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | 7/25/2013 | 14:24 | 0.0 | 16.8 | 3.4 | 0.0 | 0 | 50s - 70s | None |
| GP-7 (8') without filter | | 14:24 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:24 | 0.0 | 13.2 | 5.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:24 | 0.0 | 13.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:24 | 0.0 | 10.4 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:24 | 0.0 | 10.4 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:37 | 0.6 | 18.0 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:37 | 0.6 | 18.0 | 4.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:42 | 0.0 | 14.1 | 4.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:42 | 0.0 | 14.2 | 4.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 8/1/2013 | 14:11 | 0.0 | 12.4 | 5.9 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 14:11 | 0.0 | 12.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:17 | 0.0 | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:17 | 0.0 | 16.4 | 3.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:17 | 0.0 | 13.2 | 4.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:17 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:17 | 0.0 | 11.4 | 6.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:17 | 0.0 | 11.1 | 6.1 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:30 | 0.1 | 7.8 | 7.3 | 0.3 | 6 | | |
| GP12-09 (6') with filter | | 14:30 | 0.1 | 8.3 | 7.8 | 0.2 | 4 | | |

**Table 3**

**Soil Gas Probe Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|---|---|---|---|---|---|---|---|---|
| GP23-13 (18.5') without filter | 8/6/2013 | 13:56 | 0.1 | 12.6 | 5.4 | 0.0 | 0 | 60s - 80s | None |
| GP23-13 (18.5') with filter | | 13:56 | 0.1 | 10.4 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:40 | 0.0 | 16.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:40 | 0.0 | 16.1 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:40 | 0.0 | 13.1 | 5.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:40 | 0.0 | 13.4 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:40 | 0.0 | 10.5 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:40 | 0.0 | 10.6 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:01 | 0.3 | 8.7 | 6.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:01 | 0.3 | 8.9 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/15/2013 | 13:05 | 0.0 | 20.2 | 1.3 | 0.0 | 0 | 40s - 70s | None |
| GP12-09 (6') with filter | | 13:05 | 0.0 | 19.8 | 1.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:11 | 0.0 | 11.1 | 6.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:11 | 0.0 | 9.4 | 6.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 13:17 | 0.0 | 12.8 | 5.9 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 13:17 | 0.0 | 14.5 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:17 | 0.0 | 13.0 | 4.9 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:17 | 0.0 | 13.4 | 4.7 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.0 | 9.3 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.0 | 9.1 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/22/2013 | 14:21 | 0.0 | 0.9 | 12.0 | 0.0 | 0 | 60s - 80s | Trace (0.06 in.) |
| GP12-09 (6') with filter | | 14:21 | 0.0 | 0.9 | 11.6 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:15 | 0.0 | 10.4 | 6.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:15 | 0.0 | 10.6 | 6.1 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:26 | 0.0 | 10.4 | 7.0 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:26 | 0.0 | 10.2 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:26 | 0.0 | 9.5 | 7.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:26 | 0.0 | 9.2 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:26 | 0.0 | 8.2 | 7.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:26 | 0.0 | 8.4 | 7.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | 8/27/2013 | 13:55 | 0.3 | 1.6 | 11.9 | 0.0 | 0 | 70s - 80s | None |
| GP12-09 (6') with filter | | 13:55 | 0.3 | 1.5 | 11.2 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:01 | 0.1 | 10.5 | 7.5 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:01 | 0.1 | 8.6 | 8.2 | 0.0 | 0 | | |
| GP-7 (8') without filter | | 14:05 | 0.0 | 11.1 | 7.1 | 0.0 | 0 | | |
| GP-7 (8') with filter | | 14:05 | 0.0 | 10.4 | 7.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:05 | 0.1 | 9.8 | 7.6 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:05 | 0.1 | 9.2 | 7.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:05 | 0.1 | 8.9 | 7.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:05 | 0.1 | 8.9 | 7.5 | 0.0 | 0 | | |

**Table 3**

**Soil Gas Probe Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|---|---|---|---|---|---|---|---|---|
| GP12-09 (6') without filter | 9/5/2013 | - | 0.0 | 17.9 | 3.1 | 0.1 | 1 | 50s - 80s | None |
| GP12-09 (6') with filter | | - | 0.0 | 17.5 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | - | 0.3 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | - | 0.3 | 11.7 | 5.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | | - | 0.0 | 11.0 | 7.2 | 0.0 | 0 | | |
| GP-7 (8') with filter | | - | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | - | 0.0 | 10.3 | 7.5 | 0.0 | 0 | | |
| GP-7 (12') with filter | | - | 0.0 | 10.6 | 6.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | - | 0.0 | 8.4 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | - | 0.0 | 8.4 | 7.8 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | 9/12/2013 | 17:45 | 0.0 | 10.4 | 8.1 | 0.1 | 2 | 60-80s | 0.29 inches |
| GP23-13 (18.5') with filter | | 17:45 | 0.0 | 10.7 | 6.4 | 0.1 | 2 | | |
| GP-7 (8') without filter | | -- | 0.0 | 10.9 | 7.6 | 0.0 | 0 | | |
| GP-7 (8') with filter | | -- | 0.0 | 10.8 | 7.7 | 0.0 | 0 | | |
| GP-7 (12') without filter | | -- | 0.1 | 8.3 | 9.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | -- | 0.1 | 8.2 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | | -- | -- | 7.8 | 9.3 | 0.0 | 0 | | |
| GP-7 (16') with filter | | -- | -- | 7.9 | 8.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | 10/17/2013 | 14:18 | 0.0 | 11.5 | 7.1 | 0.0 | 0 | 40s - 50s | 0.1 inches |
| GP-7 (8') with filter | | 14:18 | 0.0 | 13.5 | 5.1 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:23 | 0.0 | 11.3 | 7.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:23 | 0.0 | 9.3 | 8.4 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:27 | 0.0 | 7.9 | 10.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:27 | 0.0 | 8.4 | 9.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:14 | 0.0 | 17.4 | 2.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:14 | 0.0 | 17.6 | 1.5 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:31 | 0.0 | 0.5 | 9.7 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:31 | 0.0 | 1.0 | 8.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:35 | 0.0 | 8.7 | 10.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:35 | 0.0 | 8.2 | 10.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 8.1 | 10.4 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:38 | 0.0 | 10.8 | 7.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:42 | 0.0 | 11.4 | 7.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:42 | 11.8 | 5.9 | 0.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | 11/12/2013 | 13:00 | 0.0 | 14.4 | 5.5 | 0.0 | 0 | 20s - 30s | Trace (0.05 inches) |
| GP-7 (8') with filter | | 13:00 | 0.0 | 15.5 | 4.3 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:06 | 0.0 | 13.7 | 6.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:06 | 0.0 | 13.8 | 5.5 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:13 | 0.0 | 10.6 | 8.6 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:13 | 0.0 | 11.7 | 6.7 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:19 | 0.0 | 16.1 | 2.7 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:19 | 0.0 | 16.8 | 1.9 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 13:25 | 0.0 | 10.3 | 8.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:25 | 0.0 | 10.1 | 7.6 | 0.0 | 0 | | |

**Table 3**

**Soil Gas Probe Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|---|---|---|---|---|---|---|---|---|
| GP-7 | 12/19/2013 | Buried Under Snow & Ice | | | | | | 30s - 40s | None |
| GP12-09 (6') without filter | | 14:54 | 0.0 | 19.9 | 0.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:54 | 0.0 | 19.0 | 0.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:57 | 0.0 | 12.1 | 8.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:57 | 0.0 | 12.4 | 7.0 | 0.0 | 0 | | |
| GP-7 (8') without filter | 1/9/2014 | 14:25 | 0.0 | 18.5 | 2.7 | 0.0 | 0 | 20s - 30s | 1.55 inches |
| GP-7 (8') with filter | | 14:25 | 0.0 | 19.0 | 1.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:30 | 0.0 | 18.2 | 2.8 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:30 | 0.0 | 18.4 | 1.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:.36 | 0.0 | 16.2 | 4.9 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:36 | 0.0 | 16.7 | 3.9 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:20 | 0.0 | 12.9 | 3.6 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:20 | 0.0 | 12.6 | 2.9 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:00 | 0.0 | 8.5 | 6.3 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:00 | 0.0 | 15.8 | 2.5 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:05 | 0.0 | 14.2 | 6.1 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:05 | 0.0 | 16.8 | 3.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:11 | 0.0 | 14.3 | 5.4 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 14:11 | 0.0 | 17.7 | 2.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:16 | 0.1 | 16.5 | 3.1 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:16 | 0.1 | 15.5 | 2.7 | 0.0 | 0 | | |
| GP-7 (8') without filter | 3/10/2014 | 11:17 | 0.0 | 19.6 | 1.8 | 0.0 | 0 | 40s - 50s | None |
| GP-7 (8') with filter | | 11:17 | 0.0 | 19.9 | 1.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | | 0.0 | 19.9 | 1.9 | 0.0 | 0 | | |
| GP-7 (12') with filter | | | 0.0 | 20.2 | 0.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | | | 19.8 | 2.8 | 0.0 | 0 | | |
| GP-7 (16') with filter | | | | 20.2 | 1.5 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 11:28 | 0.0 | 16.4 | 6.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 11:28 | 0.0 | 16.8 | 5.3 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | | 0.0 | 21.3 | 0.4 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | | 0.0 | 20.8 | 2..3 | 0.0 | 0 | | |
| GP-7 (8') without filter | 4/2/2014 | 11:37 | 0.0 | 19.2 | 1.9 | 0.0 | 0 | 50s | Trace (0.15 inches) |
| GP-7 (8') with filter | | 11:37 | 0.0 | 19.2 | 1.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | | 0.0 | 18.9 | 2.8 | 0.0 | 0 | | |
| GP-7 (12') with filter | | | 0.0 | 18.8 | 3.0 | 0.0 | 0 | | |
| GP-7 (16') without filter | | | 0.0 | 19.1 | 2.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | | 0.0 | 19.2 | 2.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 11:50 | 0.0 | 21.2 | 0.3 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 11:50 | 0.0 | 21.2 | 0.5 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 11:35 | | 17.7 | 3.8 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 11:35 | | 17.6 | 4.2 | 0.0 | 0 | | |

**Table 3**

**Soil Gas Probe Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|---|---|---|---|---|---|---|---|---|
| GP-7 | 5/8/2014 [1] | Inaccessible | | | | | | 75-85 | None |
| GP12-09 (6') without filter | | 15:25 | 0.0 | 20.0 | 0.2 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 15:25 | 0.0 | 20.1 | 0.1 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 15:28 | 0.1 | 9.0 | 4.5 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 15:28 | 0.1 | 9.2 | 3.7 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 15:31 | 0.0 | 16.9 | 3.0 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:31 | 0.0 | 16.6 | 2.1 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:40 | 0.0 | 14.7 | 3.5 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 15:40 | 0.0 | 14.9 | 2.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:44 | 0.0 | 16.5 | 3.0 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:44 | 0.0 | 16.6 | 2.8 | 0.0 | 0 | | |
| GP-7 | 7/17/2014 | Inaccessible (unable to located soil gas probe) | | | | | | 70-75 | None |
| GP12-09 (6') without filter | | 15:37 | 0.0 | 19.4 | 0.7 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 15:37 | 0.0 | 19.5 | 0.3 | 0.0 | 0 | | |
| GP22-13 (20') | | Inaccessible (access restricted by property owner) | | | | | | | |
| GP23-13 (18.5') without filter | | 15:41 | 0.0 | 13.7 | 4.3 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 15:41 | 0.0 | 13.7 | 4.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 15:44 | 0.0 | 12.0 | 5.5 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 15:44 | 0.0 | 12.1 | 5.3 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 15:47 | 0.0 | 13.0 | 5.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 15:47 | 0.0 | 13.1 | 4.9 | 0.0 | 0 | | |
| GP-7 | 8/14/2014 | Inaccessible (unable to located soil gas probe) | | | | | | 70-80 | None |
| GP12-09 (6') without filter | | 14:55 | 0.0 | 20.0 | 0.9 | 0.0 | 0.0 | | |
| GP12-09 (6') with filter | | 14:55 | 0.0 | 20.1 | 0.4 | 0.0 | 0.0 | | |
| GP22-13 (20') | | Inaccessible (access restricted by property owner) | | | | | | | |
| GP23-13 (18.5') without filter | | 15:00 | 0.0 | 13.1 | 4.9 | 0.0 | 0.0 | | |
| GP23-13 (18.5') with filter | | 15:00 | 0.0 | 13.2 | 4.7 | 0.0 | 0.0 | | |
| GP24A-13 (20') without filter | | 15:03 | 0.0 | 13.2 | 5.8 | 0.0 | 0.0 | | |
| GP24A-13 (20') with filter | | 15:03 | 0.0 | 13.3 | 5.3 | 0.0 | 0.0 | | |
| GP24B-13 (4.5') without filter | | 15:06 | 0.0 | 15.5 | 4.8 | 0.0 | 0.0 | | |
| GP24B-13 (4.5') with filter | | 15:06 | 0.0 | 15.5 | 4.7 | 0.0 | 0.0 | | |
| GP-7 | 8/21/2014 | Inaccessible (unable to located soil gas probe) | | | | | | 75-79 | 1.14 inches |
| GP12-09 (6') without filter | | 15:58 | 0.0 | 20.0 | 0.9 | 0.0 | 0.0 | | |
| GP12-09 (6') with filter | | 15:58 | 0.0 | 20.1 | 0.5 | 0.0 | 0.0 | | |
| GP22-13 (20') | | Inaccessible (access restricted by property owner) | | | | | | | |
| GP23-13 (18.5') without filter | | 16:02 | 0.0 | 11.9 | 6.8 | 0.0 | 0.0 | | |
| GP23-13 (18.5') with filter | | 16:02 | 0.0 | 12.2 | 5.8 | 0.0 | 0.0 | | |
| GP24A-13 (20') without filter | | 16:05 | 0.0 | 13.3 | 6.2 | 0.0 | 0.0 | | |
| GP24A-13 (20') with filter | | 16:05 | 0.0 | 13.3 | 6.0 | 0.0 | 0.0 | | |
| GP24B-13 (4.5') without filter | | 16:10 | 0.0 | 15.8 | 5.1 | 0.0 | 0.0 | | |
| GP24B-13 (4.5') with filter | | 16:10 | 0.0 | 15.7 | 4.6 | 0.0 | 0.0 | | |
| GP-7 | 8/28/2014 | Inaccessible (unable to located soil gas probe) | | | | | | 75-80 | None |
| GP12-09 (6') without filter | | 11:48 | 0.0 | 19.7 | 1.0 | 0.0 | 0.0 | | |
| GP12-09 (6') with filter | | 11:48 | 0.0 | 19.8 | 0.4 | 0.0 | 0.0 | | |
| GP22-13 (20') | | Inaccessible (access restricted by property owner) | | | | | | | |
| GP23-13 (18.5') without filter | | 11:50 | 1.0 | 13.2 | 6.1 | 0.0 | 0.0 | | |
| GP23-13 (18.5') with filter | | 11:50 | 1.0 | 13.5 | 4.5 | 0.0 | 0.0 | | |
| GP24A-13 (20') without filter | | 11:55 | 1.0 | 14.1 | 5.4 | 0.0 | 0.0 | | |
| GP24A-13 (20') with filter | | 11:55 | 1.0 | 15.6 | 3.6 | 0.0 | 0.0 | | |
| GP24B-13 (4.5') without filter | | 12:00 | 0.0 | 13.9 | 6.2 | 0.0 | 0.0 | | |
| GP24B-13 (4.5') with filter | | 12:00 | 0.0 | 14.0 | 5.6 | 0.0 | 0.0 | | |

**Table 3**

**Soil Gas Probe Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|---|---|---|---|---|---|---|---|---|
| GP-7 (8') without filter | 9/4/2014 | 14:25 | 0.0 | 14.3 | 4.6 | 0.0 | 0 | 85-90 | None |
| GP-7 (8') with filter | | 14:25 | 0.0 | 14.3 | 4.5 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:30 | 0.0 | 12.0 | 6.4 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:30 | 0.0 | 21.1 | 6.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:36 | 0.0 | 10.6 | 7.0 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:36 | 0.0 | 10.6 | 7.4 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:19 | 0.0 | 19.2 | 1.2 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:19 | 0.0 | 19.1 | 1.5 | 0.0 | 0 | | |
| GP22-13 (20') | | Inaccessible (access restricted by property owner) | | | | | | | |
| GP23-13 (18.5') without filter | | 14:02 | 0.0 | 13.1 | 5.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:02 | 0.0 | 13.0 | 6.2 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:07 | 0.0 | 14.2 | 5.9 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 14:07 | 0.0 | 14.2 | 5.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:13 | 0.0 | 13.7 | 5.6 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:13 | 0.0 | 13.6 | 5.8 | 0.0 | 0 | | |
| GP-7 (8') without filter | 10/9/2014 | 13:06 | 0.2 | 13.9 | 5.4 | 0.0 | 0 | 50s | 0.3 inches |
| GP-7 (8') with filter | | 13:06 | 0.2 | 14.1 | 5.2 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:12 | 0.3 | 12.2 | 6.7 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:12 | 0.3 | 12.5 | 5.8 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:17 | 0.6 | 11.1 | 7.2 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:17 | 0.6 | 11.0 | 7.4 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 12:35 | 0.0 | 12.3 | 6.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 12:35 | 0.0 | 12.5 | 6.5 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 12:41 | 0.0 | 7.9 | 6.1 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 12:41 | 0.0 | 7.8 | 6.3 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 12:48 | 0.0 | 13.6 | 5.7 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 12:48 | 0.0 | 13.8 | 6.0 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 12:54 | 0.0 | 15.5 | 4.4 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 12:54 | 0.0 | 15.8 | 4.6 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 13:00 | 0.0 | 15.3 | 4.7 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 13:00 | 0.0 | 15.3 | 4.5 | 0.0 | 0 | | |
| GP-7 (8') without filter | 11/26/2014 | 13:50 | 0.0 | 19.6 | 2.0 | 0.0 | 0 | 30-35 | None |
| GP-7 (8') with filter | | 13:50 | 0.0 | 19.8 | 0.8 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 13:53 | 0.0 | 19.5 | 2.0 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 13:53 | 0.0 | 19.8 | 1.3 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 13:55 | 0.0 | 18.1 | 3.4 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 13:55 | 0.0 | 18.4 | 1.5 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 13:57 | 0.0 | 21.4 | 2.8 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 13:57 | 0.0 | 21.0 | 2.5 | 0.0 | 0 | | |
| GP22-13 (20') | | Inaccessible (access restricted by property owner) | | | | | | | |
| GP23-13 (18.5') without filter | | 13:59 | 0.0 | 17.5 | 3.8 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 13:59 | 0.0 | 18.6 | 1.3 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:02 | 0.0 | 18.0 | 3.7 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 14:02 | 0.0 | 20.7 | 1.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:04 | 0.0 | 19.0 | 2.6 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:04 | 0.0 | 20.4 | 2.3 | 0.0 | 0 | | |

**Table 3**

**Soil Gas Probe Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|---|---|---|---|---|---|---|---|---|
| GP-7 (8') without filter | 2/6/2015 | 16:07 | 0.0 | 19.4 | 2.6 | 0.0 | 0 | 25-35 | None |
| GP-7 (8') with filter | | 16:07 | 0.0 | 19.2 | 2.4 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 16:10 | 0.0 | 18.8 | 3.1 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 16:10 | 0.0 | 19.1 | 2.0 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 16:13 | 0.0 | 19.5 | 2.2 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 16:13 | 0.0 | 19.6 | 1.4 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 16:16 | 0.0 | 20.8 | 1.2 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 16:16 | 0.0 | 20.9 | 1.1 | 0.0 | 0 | | |
| GP22-13 (20') | | Inaccessible (access restricted by property owner) | | | | | | | |
| GP23-13 (18.5') without filter | | 16:19 | 0.0 | 17.1 | 4.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 16:19 | 0.0 | 17.0 | 3.4 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 16:23 | 0.0 | 16.6 | 4.6 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 16:23 | 0.0 | 18.3 | 3.0 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 16:26 | 0.0 | 17.8 | 3.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 16:26 | 0.0 | 17.9 | 2.4 | 0.0 | 0 | | |
| GP-7 (8') without filter | 5/20/2015 | 16:14 | 0.0 | 17.4 | 2.8 | 0.0 | 0 | 50-60 | None |
| GP-7 (8') with filter | | 16:14 | 0.0 | 17.5 | 2.0 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 16:16 | 0.0 | 16.7 | 3.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 16:16 | 0.0 | 16.9 | 2.8 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 16:18 | | 16.7 | 3.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 16:18 | | 16.9 | 2.3 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 16:20 | 0.0 | 20.7 | 0.6 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 16:20 | 0.0 | 21.0 | 0.4 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 16:22 | 0.0 | 7.3 | 6.0 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 16:22 | 0.0 | 7.2 | 5.4 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 16:26 | 0.2 | 17.5 | 2.2 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 16:26 | 0.2 | 17.8 | 1.8 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 16:29 | 0.0 | 14.9 | 4.4 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 16:29 | 0.0 | 15.0 | 3.7 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 16:31 | 0.0 | 16.8 | 3.8 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 16:31 | 0.0 | 16.9 | 2.9 | 0.0 | 0 | | |
| GP-7 (8') without filter | 8/20/2015 | 14:07 | 0.0 | 11.8 | 6.1 | 0.0 | 0 | 65-70 | Trace |
| GP-7 (8') with filter | | 14:07 | 0.0 | 13.4 | 4.6 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:10 | 0.0 | 11.9 | 6.2 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:10 | 0.0 | 11.5 | 5.8 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:13 | 0.0 | 11.2 | 6.1 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:13 | 0.0 | 11.3 | 5.6 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:17 | 0.0 | 19.0 | 1.0 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:17 | 0.0 | 19.2 | 0.6 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:20 | 0.0 | 2.7 | 7.8 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:20 | 0.0 | 2.6 | 7.3 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:24 | 0.0 | 13.8 | 4.9 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:24 | 0.0 | 13.8 | 4.8 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:28 | 0.0 | 13.4 | 6.4 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 14:28 | 0.0 | 13.2 | 6.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:32 | 0.0 | 13.4 | 6.4 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:32 | 0.0 | 13.2 | 6.2 | 0.0 | 0 | | |

**Table 3**

**Soil Gas Probe Field Monitoring Values**
**South Dayton Dump and Landfill Site**
**Moraine, Ohio**

| Sample Location: | Date: | Time | PID (ppm) | $O_2$ (%) | $CO_2$ (%) | $CH_4$ (%) | LEL (%) | Ambient Temperature (°F) | Summary of Recent Precipitation |
|---|---|---|---|---|---|---|---|---|---|
| GP-7 (8') without filter | 11/5/2015 | 14:45 | 0.0 | 13.8 | 4.9 | 0.0 | 0 | 60-70 | Trace |
| GP-7 (8') with filter | | 14:45 | 0.0 | 13.8 | 3.9 | 0.0 | 0 | | |
| GP-7 (12') without filter | | 14:47 | 0.0 | 13.2 | 5.3 | 0.0 | 0 | | |
| GP-7 (12') with filter | | 14:47 | 0.0 | 13.3 | 4.6 | 0.0 | 0 | | |
| GP-7 (16') without filter | | 14:50 | 0.0 | 11.2 | 7.3 | 0.0 | 0 | | |
| GP-7 (16') with filter | | 14:50 | 0.0 | 11.4 | 6.2 | 0.0 | 0 | | |
| GP12-09 (6') without filter | | 14:55 | 0.0 | 20.1 | 0.4 | 0.0 | 0 | | |
| GP12-09 (6') with filter | | 14:55 | 0.0 | 20.2 | 0.2 | 0.0 | 0 | | |
| GP22-13 (20') without filter | | 14:42 | 0.0 | 1.6 | 9.2 | 0.0 | 0 | | |
| GP22-13 (20') with filter | | 14:42 | 0.0 | 1.4 | 8.1 | 0.0 | 0 | | |
| GP23-13 (18.5') without filter | | 14:38 | 0.0 | 11.7 | 7.5 | 0.0 | 0 | | |
| GP23-13 (18.5') with filter | | 14:38 | 0.0 | 11.9 | 6.8 | 0.0 | 0 | | |
| GP24A-13 (20') without filter | | 14:30 | 0.0 | 11.5 | 8.0 | 0.0 | 0 | | |
| GP24A-13 (20') with filter | | 14:30 | 0.0 | 11.7 | 6.9 | 0.0 | 0 | | |
| GP24B-13 (4.5') without filter | | 14:34 | 0.0 | 14.2 | 5.2 | 0.0 | 0 | | |
| GP24B-13 (4.5') with filter | | 14:34 | 0.0 | 14.3 | 5.0 | 0.0 | 0 | | |

Notes

[1] -$CO_2$ readings started at 0.1 ppm.
PID - Photoionization Detector
$O_2$ - Oxygen
$CO_2$ - Carbon Dioxide
$CH_4$ - Methane
LEL - Lower Explosive Limit
NM - Not measured
U - Qualified as non-detect due to issues with the filter
Value - Value is greater than LEL for methane (5 percent methane)