



**CONESTOGA-ROVERS
& ASSOCIATES**

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May 8, 2013

Reference No. 038443-12

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Mr. Steve Renninger
On-Scene Coordinator
U.S. EPA Region V
Emergency Response Branch
26 West Martin Luther King Drive
Cincinnati, Ohio
45268

Dear Ms. Patterson and Mr. Renninger:

Re: Progress Report: April 1 through 30, 2013
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 (ASAO) 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 ASAO), and ASAO 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 ASAO), for the period of April 1 through 30, 2013.

The next Progress Report for the month of May 2013 will be submitted on or before June 10, 2013.

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

On April 1, 2013, the Respondents provided USEPA and Ohio EPA with the OU1 Groundwater and Data Gap Investigation Work Plan by electronic mail (email) message. USEPA provided consolidated comments on the Work Plan on April 10, 2013. On April 30, 2013, the Respondents submitted a revised OU1 Groundwater and Data Gap Investigation – Phase 1A Work Plan, which incorporated the comments received from USEPA and Ohio EPA.



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On April 3, 2013, the Respondents provided USEPA START contractor, Dynamac Corporation (Dynamac), with draft files for Vapor Intrusion (VI) sample result letters by email. On April 4, 2013, USEPA START contractor issued the sample result letters for Buildings 25, 26, 27, 29, and 33 (Figure 1). On April 8 and 23, 2013, USEPA START contractor provided the Respondents with revised VI Mitigation Summary Database Excel files by email.

On April 4, 11, 18, and 25, 2013, USEPA, Ohio EPA, USEPA START contractor, and the Respondents participated in conference calls regarding the status of vapor intrusion (VI) mitigation activities.

On April 4, 2013, USEPA START contractor provided the Respondents with questions regarding the Sierra Gas Corporation Model 2001 methane monitors installed at 1903 Dryden Road (Valley Asphalt) and 2031 Dryden Road (SIM Trainer). On April 25, 2013, the Respondents provided responses.

On April 4 and 11, 2013, the Respondents issued Request for Bid (RFB) Addendum 2 and Addendum 3, respectively, to prospective Ohio licensed radon mitigation subcontractors (Environmental Doctor and The Geiler Company). On April 12, 2013, the Respondents received electronic bids from Environmental Doctor and The Geiler Company. On April 23, 2013, the Respondents issued clarification requests to both companies regarding items presented or contained in the bids. On April 23 and 24, 2013, Environmental Doctor and The Geiler Company, respectively, provided clarification.

On April 5, 2013, USEPA executed the Removal Action ASAO. Based on the dates of the Return Receipts, the effective date of the Removal Action ASAO was April 8, 2013. On April 12, 2013, the Respondents provided USEPA with letter notification providing consultant, project coordinator, and insurance information, in accordance with ASAO Paragraphs 12, 13, and 78, respectively. On April 29, 2013, in accordance with ASAO Paragraph 17a, the Respondents provided USEPA, Ohio EPA, and the USEPA START contractor with the Draft VI Mitigation Work Plan.

On April 11 and 25, 2013, USEPA, Ohio EPA, CH2M Hill, and the Respondents participated in conference calls regarding OU1 RI/FS work.

On April 15, 2013, the Respondents informed USEPA that coordination of VI mitigation work with Valley Asphalt was not possible, on the advice of the Respondents' legal counsel.

On April 16, 2013, USEPA contacted CRA requesting an estimate for the total capacity of the sub-slab depressurization systems (SSDs) proposed for eight Site buildings. On April 16, 2013,



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CRA provided USEPA with estimated minimum and maximum SSDS capacity. On April 18, 2013, CRA provided USEPA with revised estimates, based on the specifications proposed in bids submitted by Ohio licensed radon subcontractors.

On April 18, 2013, the Respondents contacted the property management company for the Site owners (Mark Fornes Realty Inc.) and legal counsel for the property owners (Tim Hoffman of Dinsmore & Shohl, LLP) to request meetings with property owner representatives and building tenants to discuss the SSDSs, request approval for installation, and schedule installation dates. On April 19, 2013, Mark Fornes Realty Inc. provided a response to the Respondents rejecting the request for meetings. On April 24, 2013, the Respondents provided additional information regarding the meeting objectives and goals and reissued the request. On April 24, 2013 Mark Fornes Realty Inc. again rejected the request, and indicated the Respondents should submit the installation plans and dates directly to Mark Fornes Realty Inc. On April 25, 2013, the Respondents provided email notification of the situation to USEPA.

On April 17, 2013, Mark Fornes Realty, Inc. contacted CRA requesting information regarding drilling activities underway at 2139 Dryden Road. Following consultation with Ohio EPA, CRA provided Mark Fornes Realty with Bureau of Underground Storage Tank Regulations (BUSTR) files related to 2139 Dryden Road and informed Mark Fornes Realty that the drilling was apparently being completed on behalf of the owners of the Site (Mark Fornes Realty's client) and that the Respondents were neither involved in nor previously aware of the activities.

On April 30, 2013, the Respondents provided USEPA, Ohio EPA, and CH2M Hill with the OU2 Remedial Investigation Scoping Document, by email.

In April 2013, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH₄), carbon dioxide (CO₂), oxygen (O₂), LEL, and photo-ionization detector (PID)] from Valley Asphalt Parcel 5054 Building 2 at 1903 Dryden Road, and SIM Trainer Parcel 5173 Building 1, at 2031 Dryden Road. The field screening values for Valley Asphalt Building 2 and SIM Trainer are provided in Tables 1 and 2, respectively. Table 3 presents field screening values measured by the Respondents in USEPA soil gas probe GP-2.



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SUMMARIES OF ALL ANTICIPATED PROBLEMS AND PLANNED RESOLUTIONS

- The Respondents will continue to work with USEPA as required to obtain Access Agreements with property owners.
- As discussed with USEPA previously, 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 activities have and will have on their business activities and have stated that they are reluctant to allow access. The Respondents will continue to work the USEPA to alleviate the owners' and tenants' concerns and to attempt to ensure continued access to the properties.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

- The Respondents and USEPA will continue to work together to complete the OU1 investigation and address vapor intrusion issues at and in the vicinity of the Site.
- The Respondents submitted the revised OU1 Groundwater and Data Gap Investigation – Phase 1A Work Plan to USEPA on April 30, 2013. The Respondents and USEPA will discuss the revised OU1 Groundwater and Data Gap Investigation Work Plan in May 2013 and the Respondents will make revisions as necessary.
- The Respondents and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and implement the mitigation work plan.



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

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P.E.

VC/mg/5

Encl.

cc: (all by pdf) Paul Jack, Castle Bay
Tim Hoffman, Dinsmore & Shohl
Robin Lunn, Neal, Gerber & Eisenberg
Bryan Heath, NCR
Scott Blackhurst, Kelsey Hayes Company
Wray Blattner, Thompson Hine
John Sherrard, Dynamac Corporation

Laura Marshall, Ohio EPA
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Jim Campbell, EMI
Karen Mignone, Verrill Dana
Adam Loney, CRA

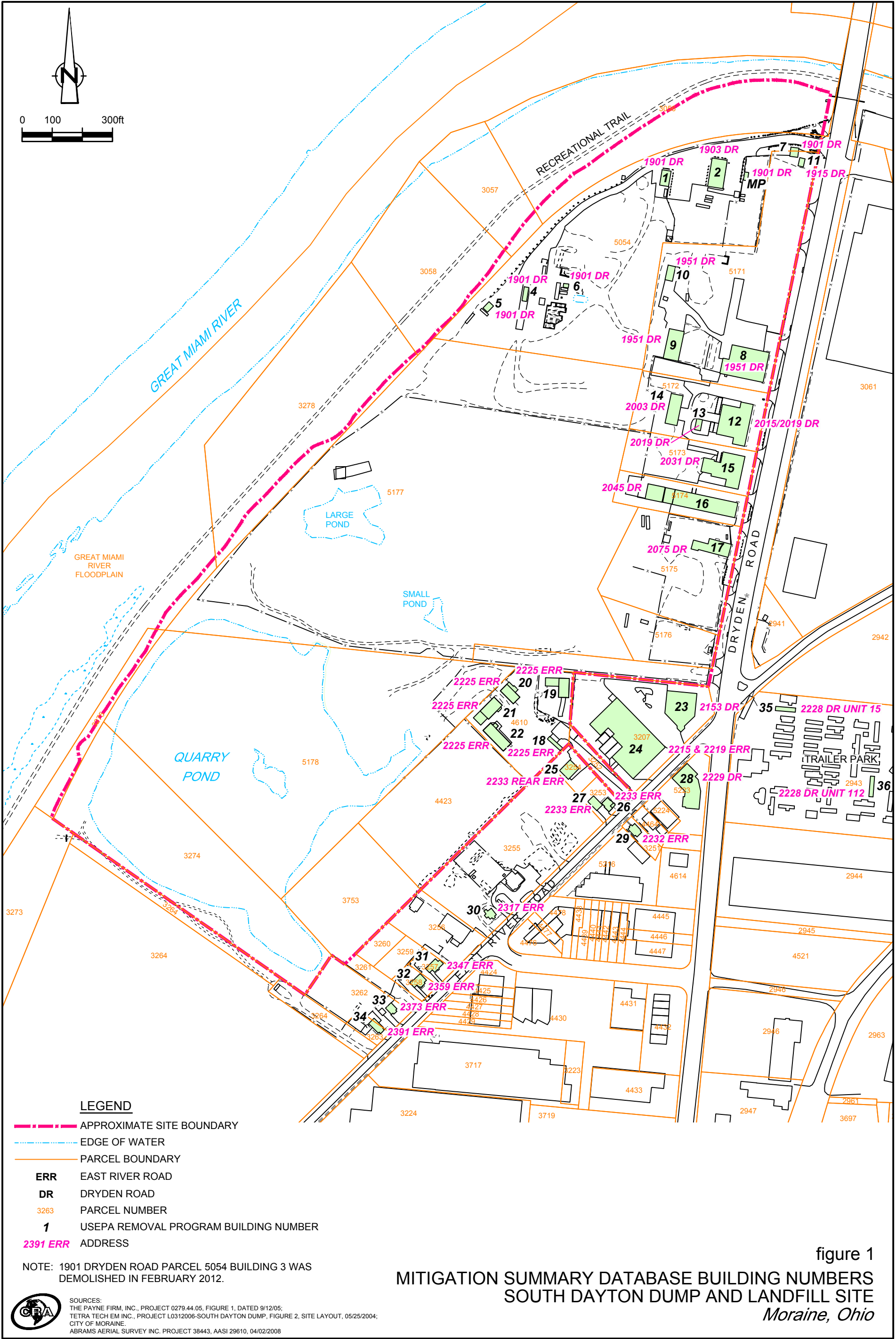


TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, without filter	1/10/2012	--	0.2	21.4	0.1	0.0	NM		
Sub-slab probe B (office) without filter		--	1.2	21.2	0.1	0.0	NM		
Warehouse ambient air, without filter		--	0.5	22.8	0.1	0.0	NM		
Sub-slab probe A (warehouse) without filter		--	50.1	4.6	3.9	7.6	NM		
Warehouse ambient air, without filter	1/19/2012	10:40	0.1	24.1	0.0	0.0	ND(1) ^[1]		
Sub-slab probe A (warehouse) without filter		10:58	72.4	5.7	3.1	5.2	>100		
Sub-slab probe B (office) without filter		11:22	6.2	23.2	0.1	0.0	ND(1) ^[1]		
Warehouse ambient air, without filter	1/24/2012	11:05	0.0	21.9	0.1	0.0	0		
Sub-slab probe A (warehouse) without filter		11:14	52.7	5.7	3.1	5.1	>100		
Office ambient air, without filter		10:50	0.0	23.1	0.1	0.0	0		
Sub-slab probe B (office), without filter		10:57	2.5	21.7	0.1	0.0	0		
Office ambient air, without filter	1/31/2012	10:19	0.0	21.5	0.0	0.0	0		
Sub-slab probe B (office) without filter		11:12	5.8	21.4	0.1	0.0	0		
Warehouse ambient air, without filter		10:30	0.0	21.6	0.0	0.0	0		
Sub-slab probe A (warehouse) without filter		11:17	72.4	1.9	3.8	6.9	>100		
Office ambient air, without filter	2/7/2012	10:14	0.0	21.6	0.0	0.0	0		
Sub-slab probe B (office) without filter		10:54	5.9	21.4	0.1	0.0	0		
Warehouse ambient air, without filter		10:24	0.0	21.8	0.1	0.0	0		
Sub-slab probe A (warehouse) without filter		10:58	67.2	6.3	3.0	6.5	>100		
Office ambient air, without filter	2/15/2012	11:00	0.1	22.0	0.1	0.0	0		
Sub-slab probe B (office) with filter		13:44	7.9	21.1	0.1	0.0	0		
Sub-slab probe B (office) without filter		13:44	7.9	21.1	0.1	0.0	0		
Warehouse ambient air, without filter		11:02	0.0	22.0	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		13:52	52.2	9.8	0.6	3.7	73		
Sub-slab probe A (warehouse) without filter		13:49	52.2	4.8	3.2	6.5	R ^[3]		
Office ambient air, without filter	2/23/2012	14:00	0.0	20.5	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:42	2.3	20.6	0.1	0.0	0		
Sub-slab probe B (office) without filter		14:42	2.3	20.5	0.1	0.0	0		
Warehouse ambient air, without filter		14:10	0.0	21.1	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:48	19.5	5.5	0.6	5.2	>100		
Sub-slab probe A (warehouse) without filter		14:48	19.5	1.6	4.2	8.2	>100		
Office ambient air, without filter	3/1/2012	12:18	0.0	21.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		12:43	5.2	22.2	0.0	0.0	0		
Sub-slab probe B (office) without filter		12:44	5.2	22.0	0.1	0.0	0		
Warehouse ambient air, without filter		12:21	0.0	21.4	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		12:55	71.9	6.0	1.2	5.4	>100		
Sub-slab probe A (warehouse) without filter		12:58	71.9	15.9	1.7	5.6	90 ^[4]		
Office ambient air, without filter	3/8/2012	7:29	0.0	21.6	0.0	0.0	0		
Sub-slab probe B (office) with filter		9:20	1.4	20.9	0.3	0.0	0		
Warehouse ambient air, without filter		7:35	0.0	21.7	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		9:45	20.2	1.3	2.4	4.8	96		

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, without filter	3/13/2012	7:29	0.0	21.6	0.0	0.0	0		
Sub-slab probe B (office) with filter		7:31	1.0	21.7	0.1	0.0	0		
Sub-slab probe B (office) without filter		7:31	1.0	21.7	0.1	0.0	0		
Warehouse ambient air, without filter		7:35	0.0	21.7	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		7:51	50.0	1.8	3.1	6.6	>100		
Sub-slab probe A (warehouse) without filter		7:51	50.0	1.8	5.1	8.8	>100		
Office ambient air, without filter	3/22/2012	12:15	0.0	19.9	0.0	0.0	0		
Sub-slab probe B (office) with filter		12:42	1.1	19.4	0.1	0.0	0		
Sub-slab probe B (office) without filter		12:40	1.1	19.7	0.1	0.0	0		
Warehouse ambient air, without filter		12:20	0.0	19.9	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		12:38	43.8	1.3	4.5	8.2	>100		
Sub-slab probe A (warehouse) without filter		12:50	43.8	1.2	5.7	10.4	>100		
Office ambient air, without filter	3/27/2012	10:40	0.0	21.9	0.0	0.0	0		
Sub-slab probe B (office) with filter		10:52	2.2	21.5	0.0	0.0	0		
Sub-slab probe B (office) without filter		10:54	2.2	21.3	0.1	0.0	0		
Warehouse ambient air, without filter		10:43	0.0	21.9	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		10:59	29.7	2.7	4.2	9.9	>100		
Sub-slab probe A (warehouse) without filter		11:01	29.7	1.7	6.2	12.0	>100		
Office ambient air, without filter	4/3/2012	12:50	0.0	20.8	0.0	0.0	0		
Sub-slab probe B (office) with filter		13:06	4.4	20.8	0.0	0.0	0		
Sub-slab probe B (office) without filter		13:08	4.4	20.7	0.1	0.0	0		
Warehouse ambient air, without filter		12:59	0.0	21.5	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		13:15	45.1	1.2	2.9	11.1	>100		
Sub-slab probe A (warehouse) without filter		13:16	45.1	1.0	5.7	13.3	>100		
Office ambient air, without filter	4/10/2012	11:30	0.0	21.5	0.0	0.0	0		
Sub-slab probe B (office) with filter		11:47	3.9	20.9	0.0	0.0	0		
Sub-slab probe B (office) without filter		11:48	3.9	20.6	0.1	0.0	0		
Warehouse ambient air, without filter		11:40	0.0	21.7	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		11:58	74.8	1.2	3.5	12.7	>100		
Sub-slab probe A (warehouse) without filter		12:01	74.8	1.5	5.4	15.1	>100		
Office ambient air, without filter	4/17/2012	10:55	0.0	20.9	0.0	0.0	0		
Sub-slab probe B (office) with filter		11:09	3.0	20.7	0.4	0.0	0		
Sub-slab probe B (office) without filter		11:10	3.0	20.7	0.1	0.0	0		
Warehouse ambient air, without filter		11:15	0.0	21.7	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		11:35	34.6	1.0	4.2	11.9	>100		
Sub-slab probe A (warehouse) without filter		11:42	34.6	0.6	5.5	14.3	>100		
Office ambient air, without filter	4/26/2012	12:20	0.0	21.7	0.0	0.0	0		
Sub-slab probe B (office) with filter		12:36	4.1	20.0	1.6	0.3 ^[4]	10 ^[4]		
Sub-slab probe B (office) without filter		12:38	4.1	20.5	0.1	0.0	ND(1) ^[1]		
Warehouse ambient air, without filter		11:55	0.0	21.1	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		12:14	20.5	0.7	3.7	13.2	>100		
Sub-slab probe A (warehouse) without filter		12:17	20.5	15.9	1.5	3.2 ^[4]	94 ^[4]		

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, without filter	5/3/2012	9:52	0.0	20.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		11:08	1.6	20.4	0.2	0.0	0		
Sub-slab probe B (office) without filter		11:10	1.6	20.2	0.1	0.0	0		
Warehouse ambient air, without filter		11:14	0.0	21.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		11:24	24.4	19.1	0.2	1.3	28		
Sub-slab probe A (warehouse) without filter		11:25	24.4	17.1	1.1	2.2	57		
Office ambient air, without filter	5/10/2012	14:27	0.0	21.0	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:36	1.5	21.0	0.4	0.0	0		
Sub-slab probe B (office) without filter		14:38	1.5	20.6	0.2	0.0	0		
Warehouse ambient air, without filter		14:34	0.0	21.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:48	34.9	1.7	2.9	14	>100		
Sub-slab probe A (warehouse) without filter		14:48	34.9	0.7	5.8	16.7	>100		
Office ambient air, without filter	5/15/2012		0.0	20.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		10:15	1.8	18.5	0.4	0.0	0		
Sub-slab probe B (office) without filter		10:15	1.8	18.9	0.0	0.0	0		
Warehouse ambient air, without filter		9:51	0.0	20.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		9:59	22.2	1.3	0.8	13.8	>100		
Sub-slab probe A (warehouse) without filter		9:59	22.2	2.0	5.0	14.5	>100		
Office ambient air, without filter	5/24/2012		0.0	20.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:35	2.2	20.3	0.2	0.2	4		
Sub-slab probe B (office) without filter		14:41	2.2	20.3	0.3	0.3	4		
Warehouse ambient air, without filter		14:00	0.0	20.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:15	19.7	1.2	4.3	14.8	>100		
Sub-slab probe A (warehouse) without filter		14:22	19.7	0.6	3.6	18.6	>100		
Office ambient air, without filter	5/31/2012	9:40	0.0	20.1	0.0	0.0	0		
Sub-slab probe B (office) with filter		9:53	2.8	20.0	0.0	0.0	0		
Sub-slab probe B (office) without filter		10:06	2.8	19.9	0.3	0.0	0		
Warehouse ambient air, without filter		10:13	0.0	20.9	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		10:26	46.4	1.1	5.1	15.3	>100		
Sub-slab probe A (warehouse) without filter		10:50	46.4	1.5	6.5	17.9	>100		
Office ambient air, without filter	6/7/2012	9:22	0.0	20.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		9:30	4.6	20.1	0.1	0.0	0		
Sub-slab probe B (office) without filter		9:41	4.6	20.4	0.2	0.0	0		
Warehouse ambient air, without filter		9:49	0.0	21.0	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		9:57	82.3	0.4	5.7	16.3	>100		
Sub-slab probe A (warehouse) without filter		10:04	82.3	1.2	6.3	19.8	>100		
Office ambient air, without filter	6/14/2012	9:55	0.0	20.2	0.0	0.0	0		
Sub-slab probe B (office) with filter		10:04	11.5	19.9	0.3	0.0	0		
Sub-slab probe B (office) without filter		10:12	11.5	20.0	0.0	0.0	0		
Warehouse ambient air, without filter		10:19	0.0	21.1	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		10:32	35.3	8.2	3.5	11.6	>100		
Sub-slab probe A (warehouse) without filter		10:40	35.3	0.9	6.4	20.3	>100		

TABLE 1

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, without filter	6/19/2012	9:48	0.0	19.7	0.0	0.0	0		
Sub-slab probe B (office) with filter		10:05	3.7	19.3	0.0	0.0	0		
Sub-slab probe B (office) without filter		10:07	3.7	19.1	0.4	0.0	0		
Warehouse ambient air, without filter		9:37	0.0	20.1	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		10:08	38.1	1.4	5.7	16.1	>100		
Sub-slab probe A (warehouse) without filter		10:09	38.1	1.0	6.5	22.3	>100		
Office ambient air, without filter	6/28/2012	9:13	0.0	20.3	0.1	0.0	0		
Sub-slab probe B (office) with filter		9:29	0.8	19.5	0.1	0.0	0		
Sub-slab probe B (office) without filter		9:29	0.8	19.3	0.4	0.0	0		
Warehouse ambient air, without filter		9:35	0.0	20.4	0.1	0.0	0		
Sub-slab probe A (warehouse) with filter		9:49	59.1	17.8	0.4	3	66		
Sub-slab probe A (warehouse) without filter		9:49	59.1	12.4	2.9	9	>100		
Office ambient air, without filter	7/3/2012	10:35	0.0	19.8	0.0	0.0	0		
Sub-slab probe B (office) with filter		10:53	2.7	18.2	0.5	0.0	0		
Sub-slab probe B (office) without filter		10:55	2.7	18.1	0.1	0.0	0		
Warehouse ambient air, without filter		10:44	0.0	20.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		11:00	54.1	1.2	6.6	20.7	>100		
Sub-slab probe A (warehouse) without filter		11:02	54.1	1.1	4.1	17	>100		
Office ambient air, without filter	7/11/2012	14:02	0.0	20.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:10	10.2	18.0	0.6	0.0	0		
Sub-slab probe B (office) without filter		14:10	10.2	18.1	0.5	0.0	0		
Warehouse ambient air, without filter		14:25	0.0	20.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:33	60.3	1.4	7.1	19.4	>100		
Sub-slab probe A (warehouse) without filter		14:33	60.3	1.3	4.0	15.2	>100		
Office ambient air, without filter	7/19/2012	14:20	0.0	20.7	0.0	0.1 ^[4]	1 ^[4]		
Sub-slab probe B (office) with filter		14:27	25.5	18.9	2.7	0.8 ^[4]	7 ^[4]		
Sub-slab probe B (office) without filter		14:27	25.5	19.0	0.8	0.0	1		
Warehouse ambient air, without filter		14:05	0.0	20.6	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:13	24.2	1.3	7.4	17.3	>100		
Sub-slab probe A (warehouse) without filter		14:13	24.2	1.3	7.1	22.7	>100		
Office ambient air, without filter	7/26/2012	9:08	0.0	20.1	0.0	0.0	0		
Sub-slab probe B (office) with filter		9:20	0.3	18.9	0.1	0.0	0		
Sub-slab probe B (office) without filter		9:20	0.3	18.5	0.8	0.0	0		
Warehouse ambient air, without filter		9:25	0.0	20.2	0.1	0.0	0		
Sub-slab probe A (warehouse) with filter		9:33	1.1	3.3	4.9	15.1	>100		
Sub-slab probe A (warehouse) without filter		9:33	1.1	0.6	7.1	24.7	>100		
Office ambient air, with filter	8/2/2012	8:52	0.6	20.8	0.0	0.0	0	90s	none
Office ambient air, without filter		8:52	0.6	20.8	0.0	0.0	0		
Sub-slab probe B (office) with filter		8:59	63.2	19.8	0.0	0.0	0		
Sub-slab probe B (office) without filter		8:59	63.2	19.4	0.7	0.0	0		
Warehouse ambient air, with filter		9:05	0.0	20.7	0.0	0.0	0		
Warehouse ambient air, without filter		9:05	0.0	20.7	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		9:14	115.9	6.6	0.8	13.2	>100		
Sub-slab probe A (warehouse) without filter		9:14	115.9	6.2	5.2	15.7	>100		
Office ambient air, with filter	8/7/2012	10:29	--	--	--	--	0	Low 90s	none
Office ambient air, without filter		10:29	0.0	19.8	0.0	0.0	0		
Sub-slab probe B (office) with filter		10:32	--	--	--	--	0		
Sub-slab probe B (office) without filter		10:32	7.4	18.6	0.9	0.0	0		
Warehouse ambient air, with filter		10:40	--	--	--	--	0		
Warehouse ambient air, without filter		10:40	0.0	20.3	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		10:45	--	--	--	--	>100		
Sub-slab probe A (warehouse) without filter		10:45	53.7	5.2	5.2	24.6	>100		

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, with filter	8/16/2012	12:53	0.0	20.5	0.0	0.0	0	80 - low 90s	none
Office ambient air, without filter		12:53	0.0	20.4	0.0	0.0	0		
Sub-slab probe B (office) with filter		13:02	7.7	19.3	0.4	0.0	0		
Sub-slab probe B (office) without filter		13:02	7.7	19.2	0.7	0.0	0		
Warehouse ambient air, with filter		12:57	0.0	20.7	0.1	0.0	0		
Warehouse ambient air, without filter		12:57	0.0	20.8	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		13:15	42.5	0.3	5.9	18.7	>100		
Sub-slab probe A (warehouse) without filter		13:15	42.5	1.6	5.9	22.6	>100		
Office ambient air, with filter	8/21/2012	15:00	0.0	20.6	0.1	0.0	0	80s	none
Office ambient air, without filter		15:00	0.0	20.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		15:16	4.3	19.5	0.0	0.0	0		
Sub-slab probe B (office) without filter		15:16	4.3	20.3	0.2	0.0	0		
Warehouse ambient air, with filter		15:20	0.0	20.8	0.0	0.0	0		
Warehouse ambient air, without filter		15:20	0.0	20.9	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:40	46.7	15.4	0.6	18.9	>100		
Sub-slab probe A (warehouse) without filter		15:40	46.7	14.7	1.7	23.9	>100		
Office ambient air, without filter	8/30/2012		0.0	20.8	0.0	0.0	0	80s	none
Sub-slab probe B (office) with filter		15:19	0.0	19.3	1.3	0.2 ^[4]	3 ^[4]		
Sub-slab probe B (office) without filter		15:19	0.0	19.3	1.0	0.0	0		
Warehouse ambient air, without filter		14:50	0.0	21.0	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:00	62.7	0.7	6.4	16.8	>100		
Sub-slab probe A (warehouse) without filter		15:00	62.7	0.4	6.0	25.1	>100		
Office ambient air, with filter	9/6/2012		0.0	19.8	0.0	0.0	0	80s	rain daily during week of September 2 to 6
Office ambient air, without filter			0.0	19.9	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:24	6.2	18.4	0.8	0.0	0		
Sub-slab probe B (office) without filter		14:24	6.2	18.8	0.8	0.0	0		
Warehouse ambient air, with filter			0.0	20.0	0.0	0.0	0		
Warehouse ambient air, without filter			0.0	20.1	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:47	108.4	0.9	3.7	17.7	>100		
Sub-slab probe A (warehouse) without filter		14:47	108.4	0.4	5.8	24.6	>100		
Office ambient air, with filter	9/13/2012		0.0	20.6	0.0	0.0	0	high 70s - low 80s	none
Office ambient air, without filter			0.0	20.6	0.0	0.0	0		
Sub-slab probe B (office) with filter		11:47	2.3	19.5	0.2	0.0	0		
Sub-slab probe B (office) without filter		11:47	2.3	19.2	0.9	0.0	0		
Warehouse ambient air, with filter			0.0	20.8	0.0	0.0	0		
Warehouse ambient air, without filter			0.0	20.8	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		11:55	35.2	0.6	4.6	19.0	>100		
Sub-slab probe A (warehouse) without filter		11:55	35.2	0.7	5.6	22.9	>100		
Office ambient air, with filter	9/20/2012	12:51	0.0	20.8	0.0	0.0	0	high 70s - low 80s	none
Office ambient air, without filter		12:51	0.0	20.8	0.0	0.0	0		
Sub-slab probe B (office) with filter		12:57	1.1	19.9	0.8	0.0	0		
Sub-slab probe B (office) without filter		12:57	1.1	19.7	0.9	0.0	0		
Warehouse ambient air, with filter		13:05	0.0	21.2	0.2	0.0	0		
Warehouse ambient air, without filter		13:05	0.0	21.4	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		13:13	48.4	1.1	4.8	16.2	>100		
Sub-slab probe A (warehouse) without filter		13:13	48.4	1.0	5.1	21.9	>100		

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, with filter	9/27/2012	14:40	0.4	20.8	0.1	0.0	0	60s - 70s	none
Office ambient air, without filter		14:40	0.4	20.8	0.1	0.0	0		
Sub-slab probe B (office) with filter		14:54	3.1	19.4	0.2	0.0	0		
Sub-slab probe B (office) without filter		14:54	3.1	20.0	0.4	0.0	0		
Warehouse ambient air, with filter		14:57	0.6	20.7	0.0	0.0	0		
Warehouse ambient air, without filter		14:57	0.6	20.7	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:05	81.1	1.3	3.3	15.4	>100		
Sub-slab probe A (warehouse) without filter		15:05	81.1	15.0	1.3	16.2	>100		
Office ambient air, with filter	10/2/2012	13:35	0.0	21.0	0.0	0.0	0	mid 60s	light rain
Office ambient air, without filter		13:35	0.0	21.0	0.0	0.0	0		
Sub-slab probe B (office) with filter		13:45	1.5	20.2	1.1	0.0	0		
Sub-slab probe B (office) without filter		13:45	1.5	20.1	0.8	0.0	0		
Warehouse ambient air, with filter			0.0	21.0	0.0	0.0	0		
Warehouse ambient air, without filter			0.0	21.0	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:00	91.4	0.5	5.6	15.5	>100		
Sub-slab probe A (warehouse) without filter		14:00	91.4	0.2	4.9	21.3	>100		
Office ambient air, with filter	10/18/2012	14:05	0.0	21.3	0.0	0.0	0	mid 70s	none
Office ambient air, without filter		14:05	0.0	21.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:46	3.1	21.0	0.3	0.0	0		
Sub-slab probe B (office) without filter		14:46	3.1	21.1	0.6	0.0	0		
Warehouse ambient air, with filter		14:11	0.0	21.4	0.0	0.0	0		
Warehouse ambient air, without filter		14:11	0.0	21.4	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:51	59.6	0.7	3.6	15.0	>100		
Sub-slab probe A (warehouse) without filter		14:51	59.6	1.6	4.2	18.0	>100		
Office ambient air, with filter	10/25/2012	13:54	0.0	20.0	0.1	0.0	0	70s	none
Office ambient air, without filter		13:54	0.0	19.8	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:15	0.6	19.7	0.1	0.0	0		
Sub-slab probe B (office) without filter		14:15	0.6	19.7	0.5	0.0	0		
Warehouse ambient air, with filter		14:00	0.0	20.9	0.0	0.0	0		
Warehouse ambient air, without filter		14:00	0.0	20.9	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:29	48.8	0.2	4.0	14.3	>100		
Sub-slab probe A (warehouse) without filter		14:29	48.8	0.2	4.2	17.9	>100		
Office ambient air, with filter	10/30/2012	14:15	0.0	22.0	0.1	0.0	0	30s - 40s	snow & rain
Office ambient air, without filter		14:15	0.0	22.0	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:51	0.3	20.4	0.1	0.0	0		
Sub-slab probe B (office) without filter		14:51	0.3	20.4	0.6	0.0	0		
Warehouse ambient air, with filter		14:24	0.0	22.1	0.1	0.0	0		
Warehouse ambient air, without filter		14:24	0.0	27.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:15	15.5	0.6	2.4	14.5	>100		
Sub-slab probe A (warehouse) without filter		15:15	15.5	0.4	4.0	17.7	>100		

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, with filter	11/8/2012	14:57	0.9	21.5	0.0	0.0	0	30s - 40s	none
Office ambient air, without filter		14:57	0.9	21.5	0.0	0.0	0		
Sub-slab probe B (office) with filter		15:32	2.0	20.1	0.7	0.0	0		
Sub-slab probe B (office) without filter		15:32	2.0	20.1	0.4	0.0	0		
Warehouse ambient air, with filter		14:44	1.0	20.9	0.1	0.0	0		
Warehouse ambient air, without filter		14:44	1.0	20.9	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:44	83.6	0.3	2.9	14.0	>100		
Sub-slab probe A (warehouse) without filter		15:44	83.6	0.5	3.6	16.0	>100		
Office ambient air, with filter	11/15/2012	14:24	0.0	22.3	0.1	0.0	0	30s - 40s	none
Office ambient air, without filter		14:24	0.0	22.4	0.1	0.0	0		
Sub-slab probe B (office) with filter		15:26	0.0	20.7	1.2	0.0	0		
Sub-slab probe B (office) without filter		15:26	0.0	21.1	0.4	0.0	0		
Warehouse ambient air, with filter		14:31	0.0	22.5	0.1	0.0	0		
Warehouse ambient air, without filter		14:31	0.0	22.5	0.1	0.0	0		
Sub-slab probe A (warehouse) with filter		15:53	21.9	0.3	3.0	13.2	>100		
Sub-slab probe A (warehouse) without filter		15:53	21.9	0.2	3.5	16.4	>100		
Office ambient air, with filter	11/20/2012	13:53	0.0	20.8	0.0	0.0	0	50s	Trace
Office ambient air, without filter		13:53	0.0	20.8	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:48	0.0	20.3	1.2	0.0	0		
Sub-slab probe B (office) without filter		14:48	0.0	20.5	0.3	0.0	0		
Warehouse ambient air, with filter		13:50	0.0	20.8	0.0	0.0	0		
Warehouse ambient air, without filter		13:50	0.0	20.8	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:00	79.6	0.1	3.4	14.0	>100		
Sub-slab probe A (warehouse) without filter		15:00	79.6	0.1	3.5	17.5	>100		
Office ambient air, with filter	11/29/2012	13:16	0.5	21.2	0.1	0.0	0	40s - 50s	None
Office ambient air, without filter		13:16	0.5	21.2	0.1	0.0	0		
Sub-slab probe B (office) with filter		14:13	0.9	20.3	0.6	0.0	0		
Sub-slab probe B (office) without filter		14:13	0.9	20.3	0.4	0.0	0		
Warehouse ambient air, with filter		13:31	0.5	21.8	0.0	0.0	0		
Warehouse ambient air, without filter		13:31	0.5	21.8	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:29	32.5	0.4	3.2	13.1	>100		
Sub-slab probe A (warehouse) without filter		14:29	32.5	0.3	3.2	16.1	>100		
Office ambient air, with filter	12/4/2012	14:35	0.0	21.2	0.0	0.0	0	50s	rainy (~0.3 inches)
Office ambient air, without filter		14:35	0.0	21.0	0.0	0.0	0		
Sub-slab probe B (office) with filter		15:26	0.0	20.2	0.0	0.0	0		
Sub-slab probe B (office) without filter		15:26	0.0	20.1	0.3	0.0	0		
Warehouse ambient air, with filter		14:45	0.0	21.5	0.0	0.0	0		
Warehouse ambient air, without filter		14:45	0.0	21.5	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:47	33.1	0.9	3.5	12.4	>100		
Sub-slab probe A (warehouse) without filter		15:47	33.1	0.8	3.5	14.8	>100		
Office ambient air, with filter	12/13/2012	14:41	0.0	21.2	0.0	0.1 U	2 U	40s	None
Office ambient air, without filter		14:41	0.0	21.2	0.0	0.0	0		
Sub-slab probe B (office) with filter		15:27	1.1	20.6	0.3	0.0	0		
Sub-slab probe B (office) without filter		15:27	1.1	20.5	0.3	0.0	0		
Warehouse ambient air, with filter		14:38	0.0	21.1	0.0	0.0	0		
Warehouse ambient air, without filter		14:38	0.0	21.1	0.1	0.1 U	2 U		
Sub-slab probe A (warehouse) with filter		15:42	35.9	0.8	2.4	13.0	>100		
Sub-slab probe A (warehouse) without filter		15:42	35.9	0.5	3.2	15.2	>100		

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
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
Office ambient air, with filter	12/18/2012	12:49	0.0	21.9	0.0	0.0	1 U	40s	None
Office ambient air, without filter		12:59	0.0	21.9	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:46	0.2	20.3	2.6	0.0	0		
Sub-slab probe B (office) without filter		14:46	0.2	20.2	3.3	0.0	0		
Warehouse ambient air, with filter		12:54	0.0	21.8	0.0	0.1 U	2 U		
Warehouse ambient air, without filter		12:54	0.0	21.7	0.1	0.0	0		
Sub-slab probe A (warehouse) with filter		15:02	30.4	0.3	2.9	13.2	>100		
Sub-slab probe A (warehouse) without filter		15:02	30.4	0.6	3.5	15.4	>100		
1903 Dryden Road, Valley Asphalt, Parcel 5054 Building 2 (Quonset Hut)		12/27/2012	Property closed from December 21, 2012 to January 6, 2013						
Office ambient air, with filter	1/10/2013	12:21	0.0	20.2	0.2	0.0	0	30s	Trace
Office ambient air, without filter		12:21	0.0	20.3	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:37	0.4	20.2	0.4	0.0	0		
Sub-slab probe B (office) without filter		14:37	0.4	20.3	0.3	0.0	0		
Warehouse ambient air, with filter		12:23	0.0	20.4	0.3	0.0	0		
Warehouse ambient air, without filter		12:23	0.0	20.5	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:50	8.2	0.9	2.1	10.2	>100		
Sub-slab probe A (warehouse) without filter		14:50	8.2	1.2	3.2	11.5	>100		
Office ambient air, with filter		1/17/2013	12:35	0.0	21.3	0.1	0.0		
Office ambient air, without filter	12:35		0.0	21.4	0.0	0.0	0		
Sub-slab probe B (office) with filter	14:15		0.4	20.7	0.1	0.0	0		
Sub-slab probe B (office) without filter	14:15		0.4	20.6	0.3	0.0	0		
Warehouse ambient air, with filter	12:37		0.0	21.4	0.1	0.0	0		
Warehouse ambient air, without filter	12:37		0.0	21.4	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter	14:28		20.4	0.3	3.2	11.2	>100		
Sub-slab probe A (warehouse) without filter	14:28		20.4	0.4	3.2	12.5	>100		
Office ambient air, with filter	1/24/2013		14:11	0.0	21.5	0.1	0.0	0	10s - 20s
Office ambient air, without filter		14:11	0.0	21.2	0.0	0.0	0		
Sub-slab probe B (office) with filter		15:50	0.0	21.1	0.5	0.0	0		
Sub-slab probe B (office) without filter		15:50	0.0	21.7	0.3	0.0	0		
Warehouse ambient air, with filter		14:15	0.0	21.7	0.0	0.0	0		
Warehouse ambient air, without filter		14:15	0.0	21.9	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		16:13	7.8	1.2	2.5	9.2	>100		
Sub-slab probe A (warehouse) without filter		16:13	7.8	0.6	3.5	10.7	>100		
Office ambient air, with filter		1/31/2013	14:35	0.0	21.4	0.1	0.0	0	
Office ambient air, without filter	14:35		0.0	21.2	0.1	0.0	0		
Sub-slab probe B (office) with filter	15:29		0.0	20.4	0.7	0.0	0		
Sub-slab probe B (office) without filter	15:29		0.0	20.6	0.3	0.0	0		
Warehouse ambient air, with filter	14:45		0.0	21.9	0.0	0.0	0		
Warehouse ambient air, without filter	14:45		0.0	22.0	0.1	0.0	0		
Sub-slab probe A (warehouse) with filter	15:52		7.9	0.8	3.5	9.3	>100		
Sub-slab probe A (warehouse) without filter	15:52		7.9	0.5	3.3	11.1	>100		
Office ambient air, with filter	2/7/2013		14:25	0.0	21.0	0.3	0.0	0	20s - 50s
Office ambient air, without filter		14:25	0.0	20.9	0.0	0.0	0		
Sub-slab probe B (office) with filter		15:04	1.1	21.2	0.2	0.0	0		
Sub-slab probe B (office) without filter		15:04	1.1	21.0	0.2	0.0	0		
Warehouse ambient air, with filter		14:30	0.0	21.5	0.1	0.0	0		
Warehouse ambient air, without filter		14:30	0.0	21.7	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:25	23.0	1.0	3.0	8.5	>100		
Sub-slab probe A (warehouse) without filter		15:25	23.0	0.7	3.1	9.6	>100		

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, with filter	2/12/2013	13:47	0.0	21.2	0.0	0.0	0	30s - 40s	none
Office ambient air, without filter		13:47	0.0	21.2	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:15	0.6	20.9	0.0	0.0	0		
Sub-slab probe B (office) without filter		14:15	0.6	20.8	0.2	0.0	0		
Warehouse ambient air, with filter		13:49	0.0	21.2	0.0	0.0	0		
Warehouse ambient air, without filter		13:49	0.0	21.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:47	14.8	0.5	3.4	8.1	>100		
Sub-slab probe A (warehouse) without filter		14:47	14.8	1.1	3.4	9.3	>100		
Office ambient air, with filter	2/21/2013	12:40	0.0	21.6	0.0	0.0	0	20s	trace
Office ambient air, without filter		12:40	0.0	21.6	0.0	0.0	0		
Sub-slab probe B (office) with filter			0.3	20.9	0.1	0.0	0		
Sub-slab probe B (office) without filter			0.3	20.9	0.2	0.0	0		
Warehouse ambient air, with filter		12:37	0.0	21.6	0.0	0.0	0		
Warehouse ambient air, without filter		12:37	0.0	21.6	0.1	0.0	0		
Sub-slab probe A (warehouse) with filter			10.2	0.5	3.2	7.3	>100		
Sub-slab probe A (warehouse) without filter			10.2	0.6	3.4	8.1	>100		
Office ambient air, with filter	2/28/2013	13:51	0.0	21.2	0.0	0.0	0	30s - 40s	~1 inch
Office ambient air, without filter		13:51	0.0	21.2	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:25	0.0	20.8	0.1	0.0	0		
Sub-slab probe B (office) without filter		14:25	0.0	20.8	0.2	0.0	0		
Warehouse ambient air, with filter		13:53	0.0	21.3	0.0	0.0	0		
Warehouse ambient air, without filter		13:53	0.0	21.3	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:43	6.3	0.2	3.5	8.7	>100		
Sub-slab probe A (warehouse) without filter		14:43	6.3	0.4	3.5	9.6	>100		
Office ambient air, with filter	3/7/2013	13:10	0.0	22.8	0.1	0.0	0	30s	None
Office ambient air, without filter		13:10	0.0	20.8	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:10	0.1	20.7	0.1	0.0	0		
Sub-slab probe B (office) without filter		14:10	0.1	20.7	0.2	0.0	0		
Warehouse ambient air, with filter		13:15	0.0	21.9	0.1	0.0	0		
Warehouse ambient air, without filter		13:15	0.0	22.0	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:25	33.7	3.1	3.5	6.8	>100		
Sub-slab probe A (warehouse) without filter		14:25	33.7	0.6	3.6	8.9	>100		
Office ambient air, with filter	3/14/2013	14:04	0.0	21.8	0.1	0.0	0	20s - 40s	None
Office ambient air, without filter		14:04	0.0	21.7	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:42	0.0	20.9	0.7	0.0	0		
Sub-slab probe B (office) without filter		14:42	0.0	21.0	0.2	0.0	0		
Warehouse ambient air, with filter		14:06	0.0	21.6	0.0	0.0	0		
Warehouse ambient air, without filter		14:06	0.0	21.6	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:01	12.2	5.2	3.1	5.8	>100		
Sub-slab probe A (warehouse) without filter		15:01	12.2	5.4	2.8	7.3	>100		
Office ambient air, with filter	3/21/2013	12:52	0.0	21.5	0.0	0.0	0	20s - 30s	Trace
Office ambient air, without filter		12:52	0.0	21.5	0.0	0.0	0		
Sub-slab probe B (office) with filter		13:53	0.0	21.2	0.0	0.0	0		
Sub-slab probe B (office) without filter		13:53	0.0	21.1	0.2	0.0	0		
Warehouse ambient air, with filter		12:50	0.0	21.5	0.0	0.0	0		
Warehouse ambient air, without filter		12:50	0.0	21.5	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:16	17.8	1.3	3.5	8.1	>100		
Sub-slab probe A (warehouse) without filter		14:16	17.8	1.2	3.5	9.0	>100		

**VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, with filter	3/28/2013	12:21	0.0	21.2	0.0	0.0	0	30 - 40s	None
Office ambient air, without filter		12:21	0.0	21.2	0.0	0.0	0		
Sub-slab probe B (office) with filter		13:10	0.0	21.0	0.1	0.0	0		
Sub-slab probe B (office) without filter		13:10	0.0	21.0	0.2	0.0	0		
Warehouse ambient air, with filter		12:23	0.0	21.2	0.0	0.0	0		
Warehouse ambient air, without filter		12:23	0.0	21.2	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		13:33	5.7	6.5	1.0	7.6	>100		
Sub-slab probe A (warehouse) without filter		13:33	5.7	6.6	2.4	7.8	>100		
Office ambient air, with filter	4/4/2013	13:08	0.0	20.9	0.0	0.0	0	30s - 50s	None
Office ambient air, without filter		13:08	0.0	21.0	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:22	0.7	21.0	0.1	0.0	0		
Sub-slab probe B (office) without filter		14:22	0.7	21.0	0.2	0.0	0		
Warehouse ambient air, with filter		13:04	0.1	21.0	0.0	0.0	0		
Warehouse ambient air, without filter		13:04	0.1	21.1	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:45	20.0	4.3	2.9	6.9	>100		
Sub-slab probe A (warehouse) without filter		14:45	20.0	4.3	3.3	7.7	>100		
Office ambient air, with filter	4/9/2013	12:40	0.0	20.7	0.0	0.0	0	50s - 80s	None
Office ambient air, without filter		12:40	0.0	20.7	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:15	0.8	19.8	0.2	0.0	0		
Sub-slab probe B (office) without filter		14:15	0.8	19.9	0.2	0.0	0		
Warehouse ambient air, with filter		12:39	0.0	20.7	0.1	0.0	0		
Warehouse ambient air, without filter		12:39	0.0	20.7	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:36	14.1	0.5	4.0	8.3	>100		
Sub-slab probe A (warehouse) without filter		14:35	14.1	0.7	4.1	9.2	>100		
Office ambient air, with filter	4/18/2013	13:16	0.0	20.2	0.0	0.0	0	60s - 80s	None
Office ambient air, without filter		13:16	0.0	20.2	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:10	1.0	20.0	0.1	0.0	0		
Sub-slab probe B (office) without filter		14:10	1.0	19.9	0.3	0.0	0		
Warehouse ambient air, with filter		13:15	0.0	20.3	0.0	0.0	0		
Warehouse ambient air, without filter		13:15	0.0	20.3	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		14:29	21.8	0.4	5.0	9.0	>100		
Sub-slab probe A (warehouse) without filter		14:29	21.8	0.7	5.0	9.9	>100		

VAPOR INTRUSION FIELD MONITORING VALUES
PARCEL 5054 BUILDING 2
1903 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
Office ambient air, with filter	4/23/2013	12:45	0.0	21.0	0.3	0.0	0	50s - 60s	None
Office ambient air, without filter		12:45	0.0	20.6	0.0	0.0	0		
Sub-slab probe B (office) with filter		14:51	0.0	20.3	1.5	0.0	0		
Sub-slab probe B (office) without filter		14:51	0.0	20.6	0.2	0.0	0		
Warehouse ambient air, with filter		12:53	0.0	21.3	0.1	0.0	0		
Warehouse ambient air, without filter		12:53	0.0	21.4	0.0	0.0	0		
Sub-slab probe A (warehouse) with filter		15:10	26.4	0.9	4.7	7.7	>100		
Sub-slab probe A (warehouse) without filter		15:10	26.4	0.8	4.9	8.8	>100		

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] - Value was rejected (R) due to suspected transcription error or meter malfunction.

^[4] - Anomalous Value. Suspected instrument carry-over or transcription error.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

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

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


 - Unfiltered value is lower than filtered value, indicating either a transcription error, or issue with sampling or data quality.

TABLE 2

**VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

<i>Sample Location: Parcel/Building/Probe</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄ (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
5173 / 1 / Storage area ambient air, without filter	1/19/2012	11:50	0.9	22.1	0.1	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		
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		
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		
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		
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		
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		
5173 / 1 / C / Storage area with filter		10:20	101.2	1	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	0.1	0	0		
5173 / 1 / A with filter		10:15	0	16.9	3	0	0		
5173 / 1 / B ambient air without filter		9:30	0	21.4	0	0	0		
5173 / 1 / B with filter		9:48	0.2	9.1	7.9	0	0		
5173 / 1 / Storage area ambient air, without filter	3/22/2012	11:50	0	20.5	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	5.1	1.1	24		
5173 / 1 / Storage area ambient air, without filter	3/27/2012		0.1	21.5	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		
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		
5173 / 1 / C / Storage area with filter		11:52	206.1	3	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		
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		
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		
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		
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		
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		

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - 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
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		
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		

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - 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
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		
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		

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

<i>Sample Location: Parcel/Building/Probe</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄ (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
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		
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		

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - 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
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		
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		
5173 / 1 / A / Office area ambient air with filter	12/27/2012		13:05	0.0	21.0	0.0	0.0	0	30s
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		

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

<i>Sample Location: Parcel/Building/Probe</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄ (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
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		
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		

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - SIM TRAINER
 2031 DRYDEN ROAD
 SOUTH DAYTON DUMP AND LANDFILL SITE
 MORaine, OHIO

Sample Location: Parcel / Building / Probe	Date:	PID Time	O ₂ (ppm)	CO ₂ (%)	CH ₄ (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	
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 2

VAPOR INTRUSION SAMPLING VALUES
 PARCEL 5173 BUILDING 1 - 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	
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			

TABLE 2

VAPOR INTRUSION SAMPLING VALUES
PARCEL 5173 BUILDING 1 - SIM TRAINER
2031 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

<i>Sample Location:</i> <i>Parcel/Building/Probe</i>	<i>Date:</i>	<i>PID</i> <i>Time</i>	<i>O₂</i> <i>(ppm)</i>	<i>O₂</i> <i>(%)</i>	<i>CO₂</i> <i>(%)</i>	<i>CH₄</i> <i>(%)</i>	<i>LEL</i> <i>(%)</i>	<i>Ambient</i> <i>Temperature (°F)</i>	<i>Summary of Recent</i> <i>Precipitation</i>	
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			
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			

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 - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range closure.

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

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - 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 3

**GP-2 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
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		
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 FIELD MONITORING VALUES
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO**

<i>Sample Location:</i>	<i>Date:</i>	<i>Time</i>	<i>PID (ppm)</i>	<i>O₂ (%)</i>	<i>CO₂ (%)</i>	<i>CH₄^[2] (%)</i>	<i>LEL (%)</i>	<i>Ambient Temperature (°F)</i>	<i>Summary of Recent Precipitation</i>
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		
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		

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.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

NM - Not measured

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

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