CONESTOGA-ROVERS
& ASSOCIATES

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February 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: January 1 through 31, 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 (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. SS 9604, 9607, and 9622 (United States Environmental Protection Agency [USEPA]) Docket No. V-W-06-C-852) effective August 15, 2006 for the period of January 1 through 31, 2013.

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

SIGNIFICANT DEVELOPMENTS IN THIS REPORTING PERIOD

On January 3, 10, 17, 24, and 31, 2013, USEPA, Ohio EPA, Dynamac, and the Respondents participated in conference calls regarding USEPA requirements for vapor intrusion (VI) mitigation. In January 2013, the Respondents provided summaries or meeting minutes of conference calls held on December 20, 2012, and all conference calls held in January 2013.

Between January 7 and 10, 2013, the Respondents completed a synoptic methane monitoring round during a period in which the barometric pressured ranged from 30.2 to 30.5 inches of mercury.

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On January 9 and 10, 2013, the Respondents completed confirmatory sampling of buildings with indoor air benzene or chloroform issues.

On January 10, and 11, 2013, the Respondents provided USEPA with comments on a sub-slab depressurization system (SSDS) acceptance letter, and estimated electricity costs for SSDS operation, respectively.

On January 10, 17, and 24, 2013, the Respondents provided USEPA with draft sections of the VI Mitigation Work Plan for review. On January 17, 2013, USEPA's consultant, Dynamac, requested that the Respondents provide a draft Site map detailing the properties proposed for mitigation, which the Respondents provided on January 18, 2013.

On January 16, 2013, USEPA requested that the Respondents provide their data from the USEPA gas probes. On January 18, 2013, the Respondents provided methane field values measured weekly at GP-2 , and field measurements at all USEPA soil gas probes measured during the high-pressure synoptic round on January 10, 2013.

On January 23, 2013, USEPA, Ohio EPA, CH2M Hill, and the Respondents participated in a meeting to discuss the conceptual site model, understanding of OU1 and OU2, OU1 data gaps and tasks, groundwater DQOs and investigation, OU2 Remedial Investigation/Feasibility Study. On January 31, 2013, USEPA, Ohio EPA, and the Respondents began bi-weekly conference calls following-up on discussion points from the January 23, 2013 meeting.

On January 24, 2013, Ohio EPA provided the Respondents with a guidance document regarding location of explosive gas monitors at landfills, titled DSIWN Guidance 0531: Locating Explosive Gas Monitors, (Ohio EPA, January 7, 2004).

On January 24, and 31, 2013, the Respondents installed Model 2001 Sierra Gas Monitors at 1903 Dryden Road (Valley Asphalt, Building 2, Parcel 5054), and 2031 Dryden Road (SIM Trainer Building 15, Parcel 5173), respectively.

On January 25, 2013, the Respondents provided the USEPA with a link to the Field Sampling Plan (FSP) referenced in the draft VI Mitigation Work Plan.

In January 2013, in order to monitor elevated lower explosive limit (LEL) readings, the Respondents collected weekly field screening measurements [methane (CH_4), carbon dioxide (CO_2), oxygen (O_2), 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

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Tables 1 and 2, respectively. Table 3 presents field screening values for USEPA soil gas probe GP-2.

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

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 and USEPA On-Scene Coordinator will continue to work together to discuss VI mitigation measures and draft a mitigation work plan
- The Respondents will attempt to complete the proposed environmental investigation of the DP&L property, pending receipt of access to complete the work

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

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley, P. Eng., P.E.

VC/cb/1
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

Sample Location:	*Date:*	*Time*	*PID (ppm)*	*O_2 (%)*	*CO_2 (%)*	*CH_4[2] (%)*	*LEL (%)*	*Ambient Temperature (°F)*	*Summary of Recent Precipitation*
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		

TABLE 1

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, 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]		

TABLE 1

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, 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

Sample Location:	*Date:*	*Time*	*PID (ppm)*	*O_2 (%)*	*CO_2 (%)*	*CH_4[2] (%)*	*LEL (%)*	*Ambient Temperature (°F)*	*Summary of Recent Precipitation*
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		

TABLE 1

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	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		

TABLE 1

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	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		

TABLE 1

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	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		

TABLE 1

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	0	30s	none
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	none
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	10s - 20s	none
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		

TABLE 1

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*

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
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 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

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	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

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	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	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		
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		

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	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:*	*Time*	*PID (ppm)*	*O_2 (%)*	*CO_2 (%)*	*CH_4 (%)*	*LEL (%)*	*Ambient Temperature (°F)*	*Summary of Recent Precipitation*

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
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 3

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*
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		

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
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 screening levels for rapid response (USEPA, 2010).