BBJ GROUP

March 13, 2017

Mr. William Bennett, P.E.
Environmental Engineer 1
Remedial Bureau C-Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 11th Floor
Albany, New York 12233-7014

Re: Soil Vapor Intrusion Report
Former Union Fork & Hoe Site, Site No. 6-22-011
253 East Main Street, Town of Frankfort, Herkimer County
Order on Consent # A6-0667-06-11
BBJ Group Project No. R1306879

Dear Mr. Bennett:

BBJ Group, LLC (BBJ Group) is pleased to provide the New York State Department of Environmental Conservation (NYSDEC) with this *Soil Vapor Intrusion Report* (Report) for the former Union Fork & Hoe (UFH) site located at 253 East Main Street in Frankfort, New York (Subject Property). Our services were performed in accordance with the approved *Soil Vapor Intrusion Work Plan*, dated May 5, 2014.

If you have any questions or require additional information, please call Mr. Andy Bajorat at 312-644-8556.

Sincerely,

BBJ GROUP, LLC

John Tanaka
Project Engineer

Andy Bajorat, CHMM
Principal

Mark Millspaugh, P.E.
NY PE 059182

Soil Vapor Intrusion Report

Former Union Fork and Hoe
253 East Main Street
Frankfort, New York

Submitted to:

NYSDEC

On Behalf of:

Ames True Temper
Camp Hill, Pennsylvania

Prepared by:

BBJ GROUP, LLC
Chicago, Illinois

CERTIFICATION:

I, Mark Millspaugh, certify that I am a New York State registered professional engineer and that this Soil Vapor Intrusion Report was prepared in accordance with all applicable statutes and regulations and is in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities will be performed in accordance with the DER-approved work plan and any DER-approved modifications.

Mark Millspaugh, P.E.
NY PE 059182

Professional Seal:

March 13, 2017

BBJ GROUP

TABLE OF CONTENTS

1.0 INTRODUCTION

BBJ Group, LLC (BBJ Group) prepared this *Soil Vapor Intrusion Report* (Evaluation Report) on behalf of Ames True Temper (Ames) for the former Union Fork & Hoe site at 253 East Main Street, Frankfort, New York (Subject Property). On August 15, 2011, Ames entered into an *Order on Consent and Administrative Settlement* (Consent Order) with the New York State Department of Environmental Conservation (NYSDEC) for the Subject Property, which included a requirement to conduct a Remedial Investigation (RI). In October 2013, Ames submitted an RI Report[1] to NYSDEC pursuant to an approved RI Work Plan. In a letter dated February 3, 2014, NYSDEC transmitted comments on the RI Report to Ames, which included a requirement to conduct a soil vapor intrusion (SVI) evaluation for the Subject Property in order to access potential migration of off-site chlorinated Volatile Organic Compounds (VOCs) through groundwater.

Consequently, BBJ Group submitted a SVI Work Plan[2] which described the specific tasks to be completed during the SVI evaluation. A Sampling and Analysis Plan (SAP) was developed as part of the SVI Work Plan using available guidance from the New York State Department of Health (NYSDOH). NYSDOH requested work be conducted during the heating season to demonstrate "worst-case" conditions, and therefore was conducted in December 2014. The results of the SVI evaluation are presented herein.

2.0 FIELD ACTIVITIES

On December 18, 2014, BBJ Group completed the following tasks as part of the SVI investigation:

- Building Survey and Inventory;
- Sub-Slab Soil Vapor Probe Installation and Sampling;
- Soil gas survey; and
- Indoor and Outdoor Air Sampling and Analysis.

The weather on December 18, 2014 was overcast with light snow. The wind was predominantly from the west and north with sustained winds between 12 and 18 miles per hour. The recorded barometric pressure was approximately 30 inches of mercury and the humidity was 80 percent.

2.1 Building Survey and Inventory

The nearest building to the Subject Property is a single-story structure at 4204 Acme Road (Adjacent Property) that is within 25 feet of the southern property line of the Subject Property. The Adjacent Property is owned by the Giovinazzo family and is leased to Finster Honey Farms. According to the Adjacent Property owner representative, the building has been used for storage since it was acquired

[1] BBJ Group, 2013. *Remedial Investigation Report, Former Union Fork and Hoe, 253 East Main Street, Frankfort, New York*. October 2, 2013.
[2] BBJ Group, 2014. *Soil Vapor Intrusion Work Plan, Former Union Fork and Hoe, 253 East Main Street, Frankfort, New York*. May 5, 2014.

by the Giovinazzo family. The Adjacent Property building is an approximately 6,000 square-foot slab-on-grade cinder block structure. Access to the building is through two roll-up doors. Main access is on the west side of the structure through the at-grade bay. Secondary access is on the east side of the building through a truck bay. The facility has no power or water and there is no drainage system in place. The floor is un-sealed concrete with minor cracking.

The tenant, Finster Honey Farms, uses the Adjacent Property building for cold storage of raw honey, honey production supplies (i.e. bee hive boxes, glassware, and fruit puree), loading equipment (tire mounted Bobcat 753), and miscellaneous personal property (i.e. lawnmower, pontoon boat, etc.). According to the Adjacent Property owner representative, the tenant only occupies the property when loading and unloading supplies.

The air at various locations inside and outside the Adjacent Property building were screened using a photo-ionization detector (PID, i.e. MiniRAE 2000) for volatile organic compounds (VOCs). These locations included, but were not limited to, around gasoline containing equipment (i.e. lawnmower, pontoon boat motor, and Bobcat), minor cracks in the concrete floor, and around the foundation. No VOCs were detected during this screening and readings never exceeded 0.3 parts per million (ppm). BBJ Group completed the NYSDOH *Indoor Air Quality Questionnaire and Building Inventory* form during the building survey. The completed form is included as Appendix A. Site photographs are included as Appendix B.

2.2 Sub-Slab Soil Vapor Probe Installation and Sampling

To assess whether VOCs have migrated beneath the Adjacent Property building, a sub-slab soil vapor probe was installed in accordance with NYSDOH's *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (Guidance), dated October 2006.[3] An electric drill fitted with a one-half-inch diameter masonry bit was used to core through the concrete slab. One-quarter-inch diameter Teflon tubing was inserted one-inch into the sub-slab material and the probe was sealed with non-volatile, non-shrinking putty. Prior to sampling, a helium shroud was fitted over the soil gas collection point and infiltration of helium was monitored with a Dielectric Technologies model MDG-2002 helium detector. A minimum of three implant volumes were purged using a syringe after which an 8-hour time-weighted sample was collected in a six-liter summa canister. Summa canisters were submitted to Environmental Science Corporation (ESC) for chemical analysis of VOCs by Method TO-15. Soil gas analytical results are presented in Table 1 and sample location is presented in Figure 1.

2.3 Indoor and Outdoor Air Sampling and Analysis

Eight (8) hour time-weighted indoor and outdoor air samples were collected from the breathing zone (three to five feet above the ground surface) in six liter summa canisters. Prior to sampling, the indoor and outdoor air was screened using a PID. Soil gas analytical results are presented in Table 1 and sample location is presented in Figure 1. Chain of custody forms are provided in Appendix C.

[3] http://www.health.ny.gov/environmental/investigations/soil_gas/svi_guidance/docs/svi_main.pdf

3.0 RESULTS AND CONCLUSION

The 2014 soil gas samples were collected during "worst-case" heating season conditions, and no evidence of off-site vapor intrusion conditions was identified as part of this investigation. Several VOCs were detected over laboratory method detection limits (MDL) but none exceeded NYSDOH air guidelines. Tetrachloroethylene (PCE) and trichloroethene (TCE), which were reported present in the soil gas at the Former Union Fork & Hoe site, were not present in any of the soil gas samples collected during this investigation. Additionally, none of the daughter products of PCE and TCE were present in the soil gas samples. Consequently, no further investigation is warranted.

TABLES

Table 1: Summary of Soil Gas/ Air Sampling Data – December 18, 2014 [1]

Method	Parameter[2]	Sample Identification and Results (in mg/m³)			NYSDOH Air Guidelines[3] (mg/m³)
		S Adjacent Soil Gas	S Adjacent Outdoor Air	S Adjacent Indoor Air	
TO-15	Acetone	**0.000026**	**0.000005**	**0.0000016**	NEC
	Benzene	**0.00000094**	<0.0000002	**0.00000034**	NEC
	1,3-Butadiene	**0.0000035**	<0.000002	<0.000002	NEC
	Carbon disulfide	**0.00001**	<0.0000002	<0.0000002	NEC
	Carbon Tetrachloride	<0.0000002	<0.0000002	<0.0000002	NEC
	Chloromethane	<0.0000002	**0.00000068**	**0.00000052**	NEC
	Cyclohexane	**0.00000074**	<0.0000002	<0.0000002	NEC
	Ethanol	**0.000018**	**0.000043**	**0.000014**	NEC
	Ethylbenzene	**0.0000003**	<0.0000002	<0.0000002	NEC
	Trichlorofluoromethane	**0.00000022**	**0.00000023**	**0.00000021**	NEC
	Dichlorodifluoromethane	**0.00000042**	**0.00000048**	**0.00000054**	NEC
	Heptane	**0.0000042**	<0.0000002	<0.0000002	NEC
	n-Hexane	**0.000014**	<0.0000002	**0.00000035**	NEC
	Methylene Chloride	<0.0000002	<0.0000002	<0.0000002	0.06
	2-Butanone (MEK)	**0.0000024**	**0.0000044**	<0.00000125	NEC
	2-Propanol	**0.0000014**	**0.0000021**	<0.00000125	NEC
	Propene	**0.000043**	**0.00000095**	<0.0000004	NEC
	Tetrachloroethene (PCE)	<0.0000002	<0.0000002	<0.0000002	0.1
	Toluene	**0.0000013**	**0.00000021**	**0.0000015**	NEC
	Trichloroethene (TCE)	<0.0000002	<0.0000002	<0.0000002	0.005
	1,2,4-Trimethylbenzene	**0.00000022**	<0.0000002	<0.0000002	NEC
	2,2,4-Trimethylpentane	<0.0000002	<0.0000002	**0.00000027**	NEC
	Vinyl Chloride	<0.0000002	<0.0000002	<0.0000002	NEC
	m&p-Xylene	**0.00000095**	<0.0000004	**0.00000069**	NEC
	o-Xylene	**0.0000004**	<0.0000002	**0.00000026**	NEC

Notes:

[1] Soil samples were collected by BBJ Group, LLC (BBJ) on December 18, 2014 and submitted to ESC Lab Sciences of Mt. Juliet, Tennessee for the following analysis:

- Volatile organic compounds using United States Environmental Protection Agency (USEPA) Method TO-15.

[2]: Only parameters detected over laboratory MDL, those with an associated air guideline are listed in this table, or those identified in the Soil Vapor Intrusion work plan are listed in this table.

[3]: Values obtained from the New York Department of Health (NYSDOH) Guidance for Evaluating Vapor Intrusion in the State of New York dated October 2006.

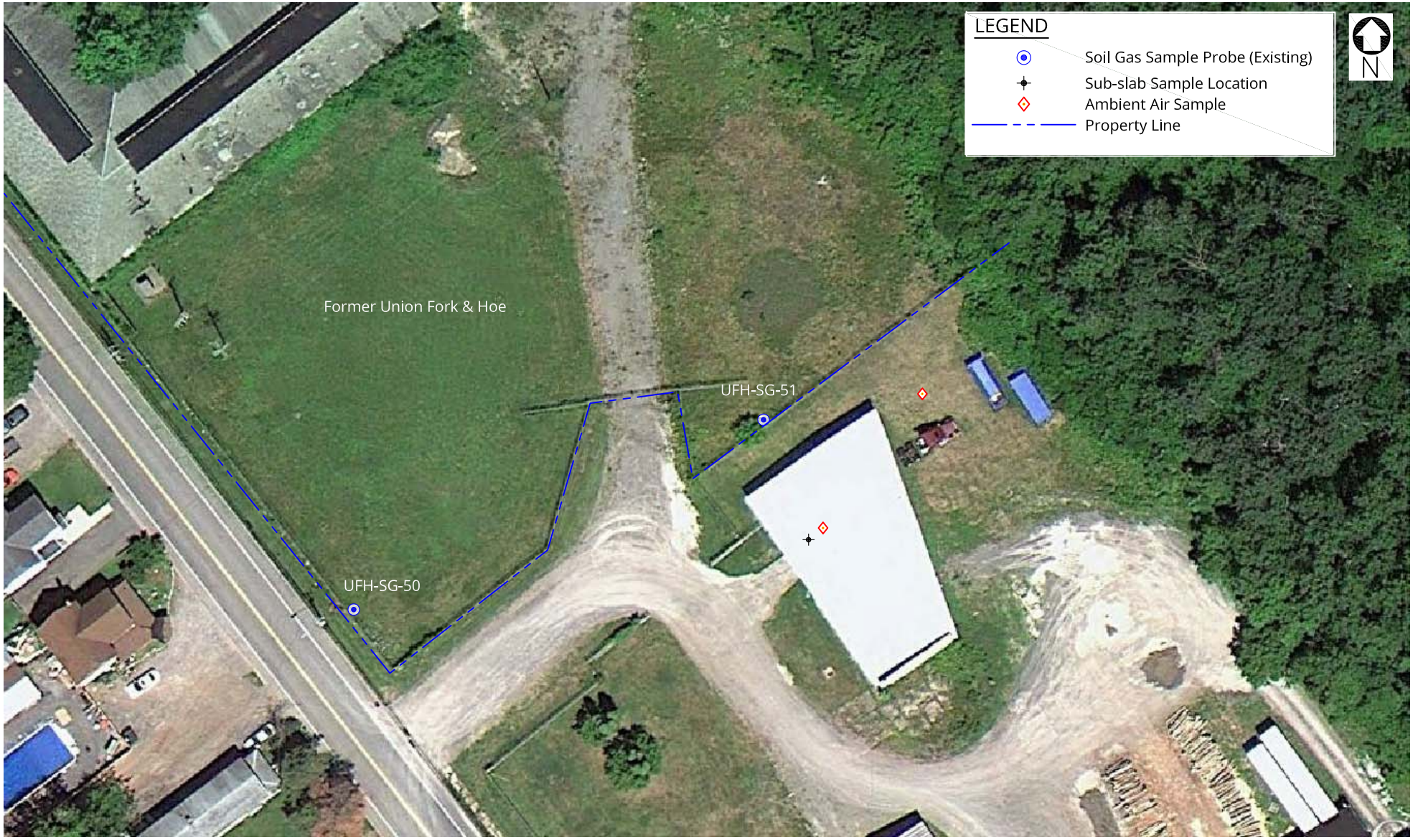
Acronym / Symbol Definitions:

NEC: No established criteria
<0.0000002: concentration detected below laboratory MDL
0.0000004: concentration detected above MDL but below NYSDOH air guidelines
MDL: method detection limit
mg/m³: milligrams per meter cubed

Prepared By/Date: AAG / 01.01.14
Checked By/Date: CTJ / 03.07.17

FIGURES

Source: GoogleEarth aerial photograph dated July 21, 2011.



0 50 100 200

Scale in Feet

Prepared by: AAG / Date: 02-06-2015
Checked by: AWB / Date: 03-08-2017

Ames True Temper
Former Union Fork & Hoe
253 East Main Street
Frankfort, New York

BBJ GROUP

Soil Vapor, Indoor, and Outdoor Air Sample Locations

Project No. R1306879

Figure 1

APPENDIX A

INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Aubrye A. Green Date/Time Prepared 12/18/2014 8:00AM

Preparer's Affiliation BBJ Group, LLC Phone No. (312) 644-8556

Purpose of Investigation Collect indoor/ outdoor and sub slab air samples from property adjacent to remedial site for which BBJ Group is the active consultant

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: Finster Honey Farm First Name: _____

Address: 289 Millers Grove Rd, Frankfort, NY

County: Herkimer

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location N/A Age of Occupants N/A

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: (Y)/ N

Last Name: Giovinazzo First Name: Ralph

Address: 167 West River Rd, Frankfort, NY

County: Herkimer

Home Phone: - Office Phone: (315) 732-7274

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: N/A

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) Cold Storage for Honey Distributor

Does it include residences (i.e., multi-use)? Y /(N) If yes, how many? N/A

Other characteristics:

Number of floors 1 Building age Unknown

Is the building insulated? Y /(N) How air tight? Tight / Average / Not Tight (N/A)

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Single floor structure, airflow not evaluated

Airflow near source

Airflow not evaluated

Outdoor air infiltration

Airflow not evaluated

Infiltration into air ducts

No duct work, airflow not evaluated

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type:	full	crawlspace	(slab)	other _____
c. Basement floor:	concrete	dirt	stone	other N/A
d. Basement floor:	uncovered	covered	covered with N/A	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with Unknown	
h. The basement is:	wet	damp	dry	moldy (N/A)
i. The basement is:	finished	unfinished	partially finished (N/A)	
j. Sump present?	Y /(N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: N/A (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

The concrete floor, although unsealed, appeared in moderate condition with minor cracks.
The building has no utilities including floor drains

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other N/A

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	(N/A)

Domestic hot water tank fueled by: N/A

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other N/A
Air conditioning:	Central Air	Window units	Open Windows	(None)

Are there air distribution ducts present? Y / (N)

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

There is no heating or cooling system present.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never (N/A)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Cold storage for honey distributor
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y /(N)

b. Does the garage have a separate heating unit? Y / N /(NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA
Please specify Lawnmower, Bobcat, Pontoon Boat

d. Has the building ever had a fire? Y /(N) When?

e. Is a kerosene or unvented gas space heater present? Y /(N) Where?

f. Is there a workshop or hobby/craft area? Y /(N) Where & Type?

g. Is there smoking in the building? Y /(N) How frequently?

h. Have cleaning products been used recently? Y /(N) When & Type?

i. Have cosmetic products been used recently? Y /(N) When & Type?

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented?_____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented?_____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type?_____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: N/A
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Dry Well	Other: N/A

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

b. Residents choose to: ~~remain in home~~ relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / (N)

d. Relocation package provided and explained to residents? Y / (N)

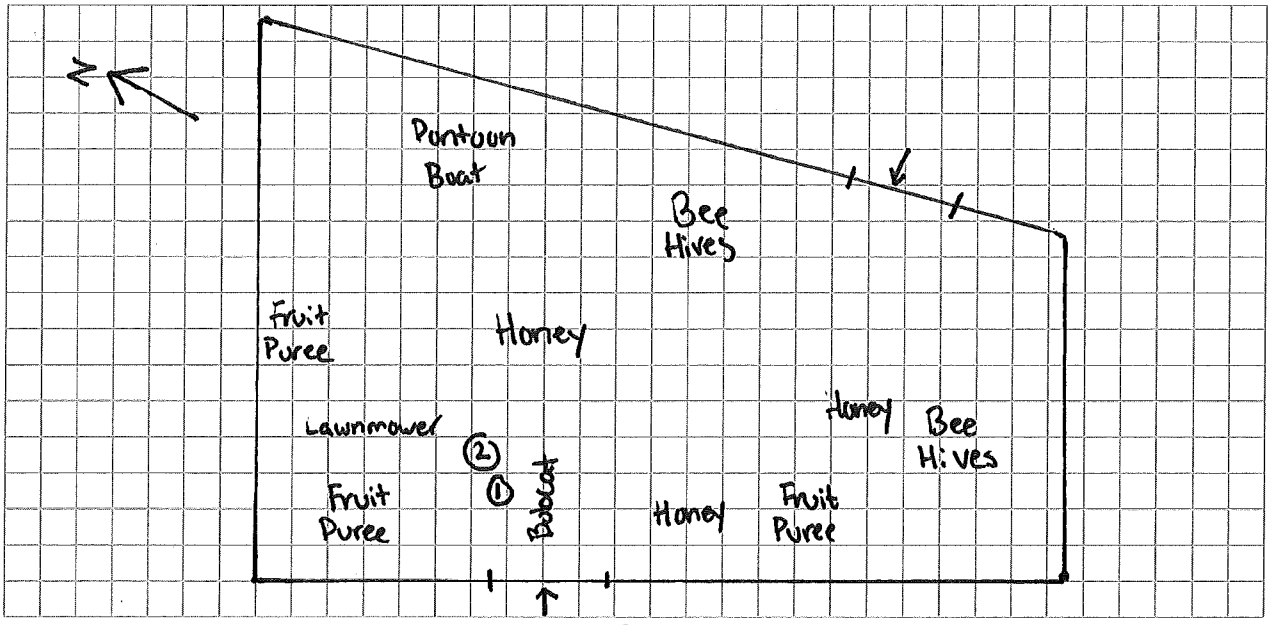
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

N/A

First Floor:



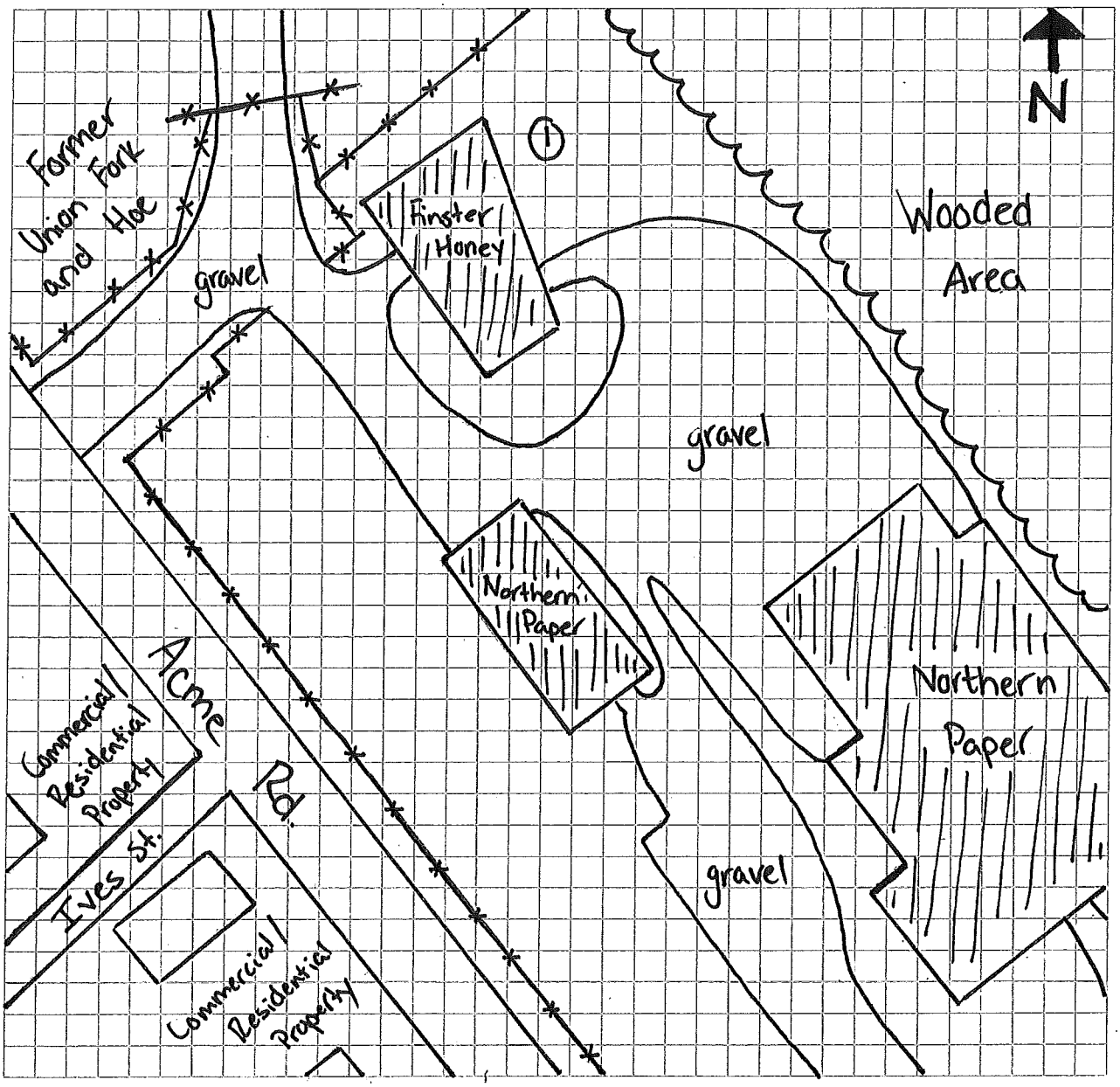
① Sub-Slab Soil Vapor Sample Point

② Indoor Air Sample Location

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



① Outdoor air sample location

At the time of sampling the weather was overcast with some light snow. Wind was from the west to northwest at approximately 15 mph.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MiniRAE 2000

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

APPENDIX B

SITE PHOTOGRAPHS

Photograph 1 – East side of the Adjacent Property building.

Photograph 2 – South side of the Adjacent Property building.

Photograph 3 – West side of the Adjacent Property building.

Photograph 4 – North side of the Adjacent Property building.

Photograph 5 – Bobcat stored at Adjacent Property building.

Photograph 6 – Lawnmower stored at Adjacent Property building

Photograph 7 – Pontoon boat stored at Adjacent Property building

Photograph 8 – Fruit puree (in 55-gallon drums) stored at Adjacent Property building

Photograph 9 – Bee hive boxes stored at Adjacent Property building

Photograph 10 – Packaged honey and glassware stored at Adjacent Property building

APPENDIX C

LABORATORY ANALYTICAL RESULTS

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Ms. Aubrey Green
BBJ Group
5 Market Square, Ste. 205
Amesbury, MA 01913

Report Summary

Monday December 29, 2014

Report Number: L740278
Samples Received: 12/20/14
Client Project: R1306879

Description: Ames - Frankfort, KY

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Leslie Newton

Leslie Newton , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Aubrey Green
BBJ Group
5 Market Square, Ste. 205
Amesbury, MA 01913

December 29, 2014

Date Received : December 20, 2014
Description : Ames - Frankfort, KY

Sample ID : S ADJACENT INDOOR AIR

Collected By : Aubrye Green
Collection Date : 12/18/14 10:56

ESC Sample # : L740278-01

Site ID : NY

Project # : R1306879

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics									
Acetone	67-64-1	58.1	1.25	3.00	1.6	3.8	TO-15	12/26/14	1
Allyl chloride	107-05-1	76.53	0.200	0.630	< 0.20	< 0.63	TO-15	12/26/14	1
Benzene	71-43-2	78.1	0.200	0.640	0.34	1.1	TO-15	12/26/14	1
Benzyl Chloride	100-44-7	127	0.200	1.00	< 0.20	< 1.0	TO-15	12/26/14	1
Bromodichloromethane	75-27-4	164	0.200	1.30	< 0.20	< 1.3	TO-15	12/26/14	1
Bromoform	75-25-2	253	0.600	6.20	< 0.60	< 6.2	TO-15	12/26/14	1
Bromomethane	74-83-9	94.9	0.200	0.780	< 0.20	< 0.78	TO-15	12/26/14	1
1,3-Butadiene	106-99-0	54.1	2.00	4.40	< 2.0	< 4.4	TO-15	12/26/14	1
Carbon disulfide	75-15-0	76.1	0.200	0.620	< 0.20	< 0.62	TO-15	12/26/14	1
Carbon tetrachloride	56-23-5	154	0.200	1.30	< 0.20	< 1.3	TO-15	12/26/14	1
Chlorobenzene	108-90-7	113	0.200	0.920	< 0.20	< 0.92	TO-15	12/26/14	1
Chloroethane	75-00-3	64.5	0.200	0.530	< 0.20	< 0.53	TO-15	12/26/14	1
Chloroform	67-66-3	119	0.200	0.970	< 0.20	< 0.97	TO-15	12/26/14	1
Chloromethane	74-87-3	50.5	0.200	0.410	0.52	1.1	TO-15	12/26/14	1
2-Chlorotoluene	95-49-8	126	0.200	1.00	< 0.20	< 1.0	TO-15	12/26/14	1
Cyclohexane	110-82-7	84.2	0.200	0.690	< 0.20	< 0.69	TO-15	12/26/14	1
Dibromochloromethane	124-48-1	208	0.200	1.70	< 0.20	< 1.7	TO-15	12/26/14	1
1,2-Dibromoethane	106-93-4	188	0.200	1.50	< 0.20	< 1.5	TO-15	12/26/14	1
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,2-Dichloroethane	107-06-2	99	0.200	0.810	< 0.20	< 0.81	TO-15	12/26/14	1
1,1-Dichloroethane	75-34-3	98	0.200	0.800	< 0.20	< 0.80	TO-15	12/26/14	1
1,1-Dichloroethene	75-35-4	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
1,2-Dichloropropane	78-87-5	113	0.200	0.920	< 0.20	< 0.92	TO-15	12/26/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.910	< 0.20	< 0.91	TO-15	12/26/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.910	< 0.20	< 0.91	TO-15	12/26/14	1
1,4-Dioxane	123-91-1	88.1	0.200	0.720	< 0.20	< 0.72	TO-15	12/26/14	1
Ethanol	64-17-5	46.1	0.630	1.20	14.	26.	TO-15	12/26/14	1
Ethylbenzene	100-41-4	106	0.200	0.870	< 0.20	< 0.87	TO-15	12/26/14	1
4-Ethyltoluene	622-96-8	120	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
Trichlorofluoromethane	75-69-4	137.4	0.200	1.10	0.21	1.2	TO-15	12/26/14	1
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.990	0.54	2.7	TO-15	12/26/14	1
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.200	1.50	< 0.20	< 1.5	TO-15	12/26/14	1
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Heptane	142-82-5	100	0.200	0.820	< 0.20	< 0.82	TO-15	12/26/14	1
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.70	< 0.63	< 6.7	TO-15	12/26/14	1
n-Hexane	110-54-3	86.2	0.200	0.710	0.35	1.2	TO-15	12/26/14	1
Isopropylbenzene	98-82-8	120.2	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
Methylene Chloride	75-09-2	84.9	0.200	0.690	< 0.20	< 0.69	TO-15	12/26/14	1
Methyl Butyl Ketone	591-78-6	100	1.25	5.10	< 1.3	< 5.1	TO-15	12/26/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Aubrey Green
BBJ Group
5 Market Square, Ste. 205
Amesbury, MA 01913

December 29, 2014

Date Received : December 20, 2014
Description : Ames - Frankfort, KY

Sample ID : S ADJACENT INDOOR AIR

Collected By : Aubrye Green
Collection Date : 12/18/14 10:56

ESC Sample # : L740278-01

Site ID : NY

Project # : R1306879

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
2-Butanone (MEK)	78-93-3	72.1	1.25	3.70	< 1.3	< 3.7	TO-15	12/26/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	100.1	1.25	5.10	< 1.3	< 5.1	TO-15	12/26/14	1
Methyl methacrylate	80-62-6	100.12	0.200	0.820	< 0.20	< 0.82	TO-15	12/26/14	1
MTBE	1634-04-4	88.1	0.200	0.720	< 0.20	< 0.72	TO-15	12/26/14	1
Naphthalene	91-20-3	128	0.630	3.30	< 0.63	< 3.3	TO-15	12/26/14	1
2-Propanol	67-63-0	60.1	1.25	3.10	< 1.3	< 3.1	TO-15	12/26/14	1
Propene	115-07-1	42.1	0.400	0.690	< 0.40	< 0.69	TO-15	12/26/14	1
Styrene	100-42-5	104	0.200	0.850	< 0.20	< 0.85	TO-15	12/26/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Tetrachloroethylene	127-18-4	166	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Tetrahydrofuran	109-99-9	72.1	0.200	0.590	< 0.20	< 0.59	TO-15	12/26/14	1
Toluene	108-88-3	92.1	0.200	0.750	1.5	5.7	TO-15	12/26/14	1
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.70	< 0.63	< 4.7	TO-15	12/26/14	1
1,1,1-Trichloroethane	71-55-6	133	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
1,1,2-Trichloroethane	79-00-5	133	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
Trichloroethylene	79-01-6	131	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.930	0.27	1.3	TO-15	12/26/14	1
Vinyl chloride	75-01-4	62.5	0.200	0.510	< 0.20	< 0.51	TO-15	12/26/14	1
Vinyl Bromide	593-60-2	106.95	0.200	0.870	< 0.20	< 0.87	TO-15	12/26/14	1
Vinyl acetate	108-05-4	86.1	0.200	0.700	< 0.20	< 0.70	TO-15	12/26/14	1
m&p-Xylene	1330-20-7	106	0.400	1.70	0.69	3.0	TO-15	12/26/14	1
o-Xylene	95-47-6	106	0.200	0.870	0.26	1.1	TO-15	12/26/14	1
1,4-Bromofluorobenzene	460-00-4				104	% Rec.	TO-15	12/26/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.

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Est. 1970

REPORT OF ANALYSIS

Ms. Aubrey Green
BBJ Group
5 Market Square, Ste. 205
Amesbury, MA 01913

December 29, 2014

Date Received : December 20, 2014
Description : Ames - Frankfort, KY

Sample ID : S ADJACENT OUTDOOR AIR

Collected By : Aubrye Green
Collection Date : 12/18/14 11:02

ESC Sample # : L740278-02

Site ID : NY

Project # : R1306879

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics									
Acetone	67-64-1	58.1	1.25	3.00	5.0	12.	TO-15	12/26/14	1
Allyl chloride	107-05-1	76.53	0.200	0.630	< 0.20	< 0.63	TO-15	12/26/14	1
Benzene	71-43-2	78.1	0.200	0.640	< 0.20	< 0.64	TO-15	12/26/14	1
Benzyl Chloride	100-44-7	127	0.200	1.00	< 0.20	< 1.0	TO-15	12/26/14	1
Bromodichloromethane	75-27-4	164	0.200	1.30	< 0.20	< 1.3	TO-15	12/26/14	1
Bromoform	75-25-2	253	0.600	6.20	< 0.60	< 6.2	TO-15	12/26/14	1
Bromomethane	74-83-9	94.9	0.200	0.780	< 0.20	< 0.78	TO-15	12/26/14	1
1,3-Butadiene	106-99-0	54.1	2.00	4.40	< 2.0	< 4.4	TO-15	12/26/14	1
Carbon disulfide	75-15-0	76.1	0.200	0.620	< 0.20	< 0.62	TO-15	12/26/14	1
Carbon tetrachloride	56-23-5	154	0.200	1.30	< 0.20	< 1.3	TO-15	12/26/14	1
Chlorobenzene	108-90-7	113	0.200	0.920	< 0.20	< 0.92	TO-15	12/26/14	1
Chloroethane	75-00-3	64.5	0.200	0.530	< 0.20	< 0.53	TO-15	12/26/14	1
Chloroform	67-66-3	119	0.200	0.970	< 0.20	< 0.97	TO-15	12/26/14	1
Chloromethane	74-87-3	50.5	0.200	0.410	0.68	1.4	TO-15	12/26/14	1
2-Chlorotoluene	95-49-8	126	0.200	1.00	< 0.20	< 1.0	TO-15	12/26/14	1
Cyclohexane	110-82-7	84.2	0.200	0.690	< 0.20	< 0.69	TO-15	12/26/14	1
Dibromochloromethane	124-48-1	208	0.200	1.70	< 0.20	< 1.7	TO-15	12/26/14	1
1,2-Dibromoethane	106-93-4	188	0.200	1.50	< 0.20	< 1.5	TO-15	12/26/14	1
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,2-Dichloroethane	107-06-2	99	0.200	0.810	< 0.20	< 0.81	TO-15	12/26/14	1
1,1-Dichloroethane	75-34-3	98	0.200	0.800	< 0.20	< 0.80	TO-15	12/26/14	1
1,1-Dichloroethene	75-35-4	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
1,2-Dichloropropane	78-87-5	113	0.200	0.920	< 0.20	< 0.92	TO-15	12/26/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.910	< 0.20	< 0.91	TO-15	12/26/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.910	< 0.20	< 0.91	TO-15	12/26/14	1
1,4-Dioxane	123-91-1	88.1	0.200	0.720	< 0.20	< 0.72	TO-15	12/26/14	1
Ethanol	64-17-5	46.1	0.630	1.20	43.	81.	TO-15	12/26/14	1
Ethylbenzene	100-41-4	106	0.200	0.870	< 0.20	< 0.87	TO-15	12/26/14	1
4-Ethyltoluene	622-96-8	120	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
Trichlorofluoromethane	75-69-4	137.4	0.200	1.10	0.23	1.3	TO-15	12/26/14	1
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.990	0.48	2.4	TO-15	12/26/14	1
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.200	1.50	< 0.20	< 1.5	TO-15	12/26/14	1
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Heptane	142-82-5	100	0.200	0.820	< 0.20	< 0.82	TO-15	12/26/14	1
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.70	< 0.63	< 6.7	TO-15	12/26/14	1
n-Hexane	110-54-3	86.2	0.200	0.710	< 0.20	< 0.71	TO-15	12/26/14	1
Isopropylbenzene	98-82-8	120.2	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
Methylene Chloride	75-09-2	84.9	0.200	0.690	< 0.20	< 0.69	TO-15	12/26/14	1
Methyl Butyl Ketone	591-78-6	100	1.25	5.10	< 1.3	< 5.1	TO-15	12/26/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Ms. Aubrey Green
BBJ Group
5 Market Square, Ste. 205
Amesbury, MA 01913

December 29, 2014

ESC Sample # : L740278-02

Site ID : NY

Project # : R1306879

Date Received : December 20, 2014
Description : Ames - Frankfort, KY

Sample ID : S ADJACENT OUTDOOR AIR

Collected By : Aubrye Green
Collection Date : 12/18/14 11:02

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
2-Butanone (MEK)	78-93-3	72.1	1.25	3.70	4.4	13.	TO-15	12/26/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	100.1	1.25	5.10	< 1.3	< 5.1	TO-15	12/26/14	1
Methyl methacrylate	80-62-6	100.12	0.200	0.820	< 0.20	< 0.82	TO-15	12/26/14	1
MTBE	1634-04-4	88.1	0.200	0.720	< 0.20	< 0.72	TO-15	12/26/14	1
Naphthalene	91-20-3	128	0.630	3.30	< 0.63	< 3.3	TO-15	12/26/14	1
2-Propanol	67-63-0	60.1	1.25	3.10	2.1	5.2	TO-15	12/26/14	1
Propene	115-07-1	42.1	0.400	0.690	0.95	1.6	TO-15	12/26/14	1
Styrene	100-42-5	104	0.200	0.850	< 0.20	< 0.85	TO-15	12/26/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Tetrachloroethylene	127-18-4	166	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Tetrahydrofuran	109-99-9	72.1	0.200	0.590	< 0.20	< 0.59	TO-15	12/26/14	1
Toluene	108-88-3	92.1	0.200	0.750	0.21	0.79	TO-15	12/26/14	1
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.70	< 0.63	< 4.7	TO-15	12/26/14	1
1,1,1-Trichloroethane	71-55-6	133	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
1,1,2-Trichloroethane	79-00-5	133	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
Trichloroethylene	79-01-6	131	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.930	< 0.20	< 0.93	TO-15	12/26/14	1
Vinyl chloride	75-01-4	62.5	0.200	0.510	< 0.20	< 0.51	TO-15	12/26/14	1
Vinyl Bromide	593-60-2	106.95	0.200	0.870	< 0.20	< 0.87	TO-15	12/26/14	1
Vinyl acetate	108-05-4	86.1	0.200	0.700	< 0.20	< 0.70	TO-15	12/26/14	1
m&p-Xylene	1330-20-7	106	0.400	1.70	< 0.40	< 1.7	TO-15	12/26/14	1
o-Xylene	95-47-6	106	0.200	0.870	< 0.20	< 0.87	TO-15	12/26/14	1
1,4-Bromofluorobenzene	460-00-4				105	% Rec.	TO-15	12/26/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Ms. Aubrey Green
BBJ Group
5 Market Square, Ste. 205
Amesbury, MA 01913

December 29, 2014

Date Received : December 20, 2014
Description : Ames - Frankfort, KY

Sample ID : S ADJACENT SOIL GAS

Collected By : Aubrye Green
Collection Date : 12/18/14 11:27

ESC Sample # : L740278-03

Site ID : NY

Project # : R1306879

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics									
Acetone	67-64-1	58.1	1.25	3.00	26.	62.	TO-15	12/26/14	1
Allyl chloride	107-05-1	76.53	0.200	0.630	< 0.20	< 0.63	TO-15	12/26/14	1
Benzene	71-43-2	78.1	0.200	0.640	0.94	3.0	TO-15	12/26/14	1
Benzyl Chloride	100-44-7	127	0.200	1.00	< 0.20	< 1.0	TO-15	12/26/14	1
Bromodichloromethane	75-27-4	164	0.200	1.30	< 0.20	< 1.3	TO-15	12/26/14	1
Bromoform	75-25-2	253	0.600	6.20	< 0.60	< 6.2	TO-15	12/26/14	1
Bromomethane	74-83-9	94.9	0.200	0.780	< 0.20	< 0.78	TO-15	12/26/14	1
1,3-Butadiene	106-99-0	54.1	2.00	4.40	3.5	7.7	TO-15	12/26/14	1
Carbon disulfide	75-15-0	76.1	0.200	0.620	10.	31.	TO-15	12/26/14	1
Carbon tetrachloride	56-23-5	154	0.200	1.30	< 0.20	< 1.3	TO-15	12/26/14	1
Chlorobenzene	108-90-7	113	0.200	0.920	< 0.20	< 0.92	TO-15	12/26/14	1
Chloroethane	75-00-3	64.5	0.200	0.530	< 0.20	< 0.53	TO-15	12/26/14	1
Chloroform	67-66-3	119	0.200	0.970	< 0.20	< 0.97	TO-15	12/26/14	1
Chloromethane	74-87-3	50.5	0.200	0.410	< 0.20	< 0.41	TO-15	12/26/14	1
2-Chlorotoluene	95-49-8	126	0.200	1.00	< 0.20	< 1.0	TO-15	12/26/14	1
Cyclohexane	110-82-7	84.2	0.200	0.690	0.74	2.5	TO-15	12/26/14	1
Dibromochloromethane	124-48-1	208	0.200	1.70	< 0.20	< 1.7	TO-15	12/26/14	1
1,2-Dibromoethane	106-93-4	188	0.200	1.50	< 0.20	< 1.5	TO-15	12/26/14	1
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	< 0.20	< 1.2	TO-15	12/26/14	1
1,2-Dichloroethane	107-06-2	99	0.200	0.810	< 0.20	< 0.81	TO-15	12/26/14	1
1,1-Dichloroethane	75-34-3	98	0.200	0.800	< 0.20	< 0.80	TO-15	12/26/14	1
1,1-Dichloroethene	75-35-4	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.200	0.790	< 0.20	< 0.79	TO-15	12/26/14	1
1,2-Dichloropropane	78-87-5	113	0.200	0.920	< 0.20	< 0.92	TO-15	12/26/14	1
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.910	< 0.20	< 0.91	TO-15	12/26/14	1
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.910	< 0.20	< 0.91	TO-15	12/26/14	1
1,4-Dioxane	123-91-1	88.1	0.200	0.720	< 0.20	< 0.72	TO-15	12/26/14	1
Ethanol	64-17-5	46.1	0.630	1.20	18.	34.	TO-15	12/26/14	1
Ethylbenzene	100-41-4	106	0.200	0.870	0.30	1.3	TO-15	12/26/14	1
4-Ethyltoluene	622-96-8	120	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
Trichlorofluoromethane	75-69-4	137.4	0.200	1.10	0.22	1.2	TO-15	12/26/14	1
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.990	0.42	2.1	TO-15	12/26/14	1
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.200	1.50	< 0.20	< 1.5	TO-15	12/26/14	1
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Heptane	142-82-5	100	0.200	0.820	4.2	17.	TO-15	12/26/14	1
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.70	< 0.63	< 6.7	TO-15	12/26/14	1
n-Hexane	110-54-3	86.2	0.200	0.710	14.	49.	TO-15	12/26/14	1
Isopropylbenzene	98-82-8	120.2	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
Methylene Chloride	75-09-2	84.9	0.200	0.690	< 0.20	< 0.69	TO-15	12/26/14	1
Methyl Butyl Ketone	591-78-6	100	1.25	5.10	< 1.3	< 5.1	TO-15	12/26/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.

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Reported: 12/29/14 09:13 Printed: 12/29/14 09:13

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
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Est. 1970

REPORT OF ANALYSIS

Ms. Aubrey Green
BBJ Group
5 Market Square, Ste. 205
Amesbury, MA 01913

December 29, 2014

Date Received : December 20, 2014
Description : Ames - Frankfort, KY

Sample ID : S ADJACENT SOIL GAS

Collected By : Aubrye Green
Collection Date : 12/18/14 11:27

ESC Sample # : L740278-03

Site ID : NY

Project # : R1306879

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
2-Butanone (MEK)	78-93-3	72.1	1.25	3.70	2.4	7.1	TO-15	12/26/14	1
4-Methyl-2-pentanone (MIBK)	108-10-1	100.1	1.25	5.10	< 1.3	< 5.1	TO-15	12/26/14	1
Methyl methacrylate	80-62-6	100.12	0.200	0.820	< 0.20	< 0.82	TO-15	12/26/14	1
MTBE	1634-04-4	88.1	0.200	0.720	< 0.20	< 0.72	TO-15	12/26/14	1
Naphthalene	91-20-3	128	0.630	3.30	< 0.63	< 3.3	TO-15	12/26/14	1
2-Propanol	67-63-0	60.1	1.25	3.10	1.4	3.4	TO-15	12/26/14	1
Propene	115-07-1	42.1	4.00	6.90	43.	74.	TO-15	12/27/14	10
Styrene	100-42-5	104	0.200	0.850	< 0.20	< 0.85	TO-15	12/26/14	1
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Tetrachloroethylene	127-18-4	166	0.200	1.40	< 0.20	< 1.4	TO-15	12/26/14	1
Tetrahydrofuran	109-99-9	72.1	0.200	0.590	< 0.20	< 0.59	TO-15	12/26/14	1
Toluene	108-88-3	92.1	0.200	0.750	1.3	4.9	TO-15	12/26/14	1
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.70	< 0.63	< 4.7	TO-15	12/26/14	1
1,1,1-Trichloroethane	71-55-6	133	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
1,1,2-Trichloroethane	79-00-5	133	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
Trichloroethylene	79-01-6	131	0.200	1.10	< 0.20	< 1.1	TO-15	12/26/14	1
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.980	0.22	1.1	TO-15	12/26/14	1
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.980	< 0.20	< 0.98	TO-15	12/26/14	1
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.930	< 0.20	< 0.93	TO-15	12/26/14	1
Vinyl chloride	75-01-4	62.5	0.200	0.510	< 0.20	< 0.51	TO-15	12/26/14	1
Vinyl Bromide	593-60-2	106.95	0.200	0.870	< 0.20	< 0.87	TO-15	12/26/14	1
Vinyl acetate	108-05-4	86.1	0.200	0.700	< 0.20	< 0.70	TO-15	12/26/14	1
m&p-Xylene	1330-20-7	106	0.400	1.70	0.95	4.1	TO-15	12/26/14	1
o-Xylene	95-47-6	106	0.200	0.870	0.40	1.7	TO-15	12/26/14	1
1,4-Bromofluorobenzene	460-00-4				111	% Rec.	TO-15	12/26/14	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.

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Reported: 12/29/14 09:13 Printed: 12/29/14 09:13

Summary of Remarks For Samples Printed
12/29/14 at 09:13:49

TSR Signing Reports: 044
R5 - Desired TAT

Sample: L740278-01 Account: BBJAMA Received: 12/20/14 09:00 Due Date: 12/29/14 00:00 RPT Date: 12/29/14 09:13

Sample: L740278-02 Account: BBJAMA Received: 12/20/14 09:00 Due Date: 12/29/14 00:00 RPT Date: 12/29/14 09:13

Sample: L740278-03 Account: BBJAMA Received: 12/20/14 09:00 Due Date: 12/29/14 00:00 RPT Date: 12/29/14 09:13

BBJ Group

5 Market Square, Ste. 205
Amesbury, MA 01913

Billing Information:
Accounts Payable
500 N. Dearborn St., Ste 712
Chicago, IL 60654

Report to: **Ms. Aubrey Green**

Email To: **agreen@bbjgroup.com**

Project Description: Ames - Frankfort, NY

City/State Collected: Frankfort, NY

Phone: **978-834-0798**
Fax: -

Client Project # R1306879

Lab Project # **BBJAMA-NY**

Collected by (print): Aubrye Green

Site/Facility ID # **NY**

P.O. #

Collected by (signature):

Immediately Packed on Ice N___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed: Std

Email? ___No X__Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Ctrs	TO-15 Summa	Rem./Contaminant	Sample # (lab only)
S Adjacent Indoor Air	-	Air	-	12/18/14	10:56	1	X		-01
S Adjacent Outdoor Air	-	Air	-	12/18/14	11:02	1	X		-02
S Adjacent Soil Gas	-	Air	-	12/18/14	11:27	1	X		-03

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	12/19/14		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____

Temp: Amb °C Bottles Received: 3+3ft+1st

Date: 12-20-14 Time: 0710

Hold #

Condition: 5 (lab use only) OK

COC Seal Intact: ___Y ___N ___N/A

pH Checked: NCF:

Chain of Custody Page 1 of 1

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12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L740278

L097

Acctnum: **BBJAMA**
Template: **T99089**
Prelogin: **P493432**
TSR: **044 - Leslie Newton**
PB: 12-12

Shipped Via: **FedEX 2nd Day**