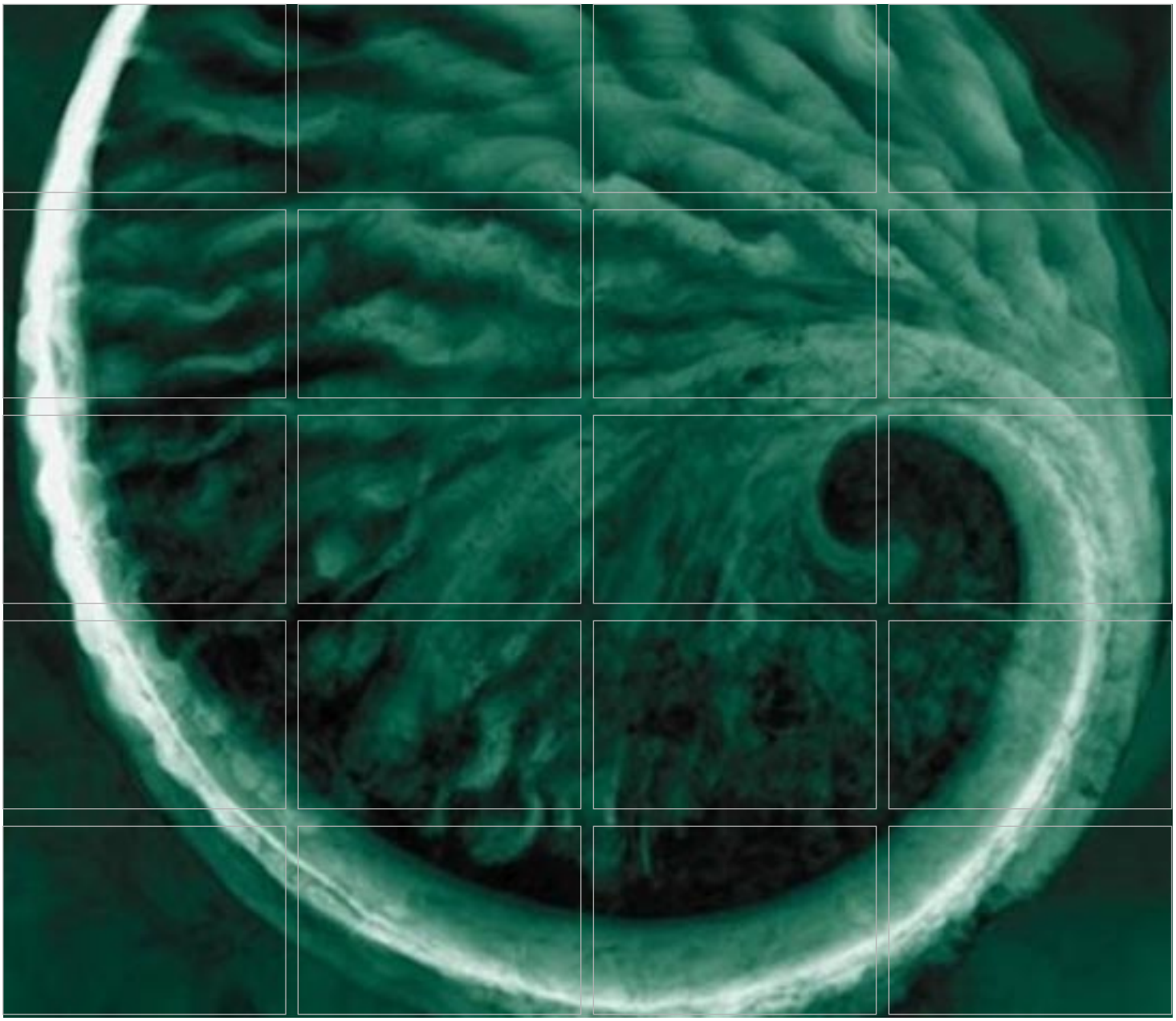

Johnson & Hoffman Manufacturing Corporation

Remedial Investigation Report Addendum No. 1

Carle Place, New York

January 2014

Environmental Resources Management
105 Maxess Road, Suite 316
Melville, New York 11747

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I, Michael Teetsel, certify that I am currently Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report Addendum was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Remedial Investigation Report Addendum No. 1

Johnson & Hoffman Former Manufacturing Corp.
40 Voice Road
Carle Place, New York

January 2014

Project No. 0198956

Prepared by:

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1.0 INTRODUCTION

1.1 SITE HISTORY

The Johnson & Hoffman (J&H) Manufacturing facility is located at 40 Voice Road, in Carle Place, Nassau County, New York (the "Site"; see Figure 1-1 for location and Figure 1-2 for Facility Plan). The Site consists of a 59,000-square foot, one story building with associated parking and grass areas, on a 4.054-acre parcel. The Site was developed in 1962 on former agricultural land. Since that time, J&H produced small metal parts using processes that include metal stamping, deburring, and washing. A history of the Site ownership is provided below:

- The original Johnson & Hoffman entity operated at the Site from 1962 until 2004.
- In 2004, American Engineered Components, Inc. ("AEC") owned all of the outstanding stock in Johnson & Hoffman Manufacturing Corp. ("J&H pre-bankruptcy"). In 2004, AEC and J&H '04, among others, filed a petition for Chapter 11 Bankruptcy in the U.S. Bankruptcy Court for the District of Delaware. The U.S. Bankruptcy Court via an Order dated April 21, 2004, approved AMI Johnson, LLC, to be the purchaser ("Transferee") of all of the assets of AEC and J&H '04, free and clear of liens, claims, and encumbrances. Subsequently, J&H '04 dissolved and ceased to exist. After the acquisition via the bankruptcy, AMI Johnson, LLC, operated with the assets acquired from AEC and J&H '04 and continued to do business under a newly formed entity with the name of Johnson & Hoffman Manufacturing Corp (J&H post-bankruptcy).
- In 2007, Manley Holdings, Inc. secured a tax-exempt bond through the Nassau County Industrial Development Agency (NCIDA) in connection with the acquisition of the Johnson and Hoffman Manufacturing Corporation post-bankruptcy from AMI Johnson, LLC. Manley Holdings Inc., through its wholly owned subsidiary, Jade Holding Corporation created Johnson & Hoffman LLC which is the current lessee and operator of the Site, doing business as (dba) as Johnson & Hoffman Manufacturing. NCIDA is the titled owner of the Site.

1.2 PROJECT BACKGROUND

The Site is bounded to the north by Voice Road, on the opposite side of Voice Road directly north is an electrical substation owned by the Long Island Power Authority (LIPA). Located to the south of the Site is the Long Island Rail Road right-of-way. To the east is a small commercial building occupied by a company called Fun World. An AM radio station

is situated west of the Site along with a storage yard for trucks and landscaping equipment.

This Site has been the subject of several rounds of environmental investigation between 1996 and 2013. Most of this work has been conducted under New York's Voluntary Cleanup Program (VCP Site No. 000684), and a VCP agreement was signed by Volunteers CAWSL Enterprises, Inc. and AMI Johnson, LLC, and the New York State Department of Environmental Conservation (NYSDEC) in 2004. All work conducted since that time was performed under work plans reviewed and approved by NYSDEC. Since 2010, the project has followed the requirements provided in "DER-10: Technical Guidance for Site Investigation and Remediation" (NYSDEC, May 2010).

Among other things, the VCP agreement required the Volunteers to complete a comprehensive investigation of the Site. The initial report documenting this work was the "Site Investigation Report" (ERM, November 2008). NYSDEC provided comments on this document in a letter dated 24 April 2009 (see Appendix A). Based on these comments, additional investigations were conducted. A report on this additional work and all preceding investigations was submitted entitled "Remedial Investigation Report" (ERM, October 2011).

NYSDEC commented on the October 2011 Remedial Investigation (RI) Report in a letter dated 4 June 2012 (see Appendix A). In response, further sampling was performed and reported herein. Table 1-1 provides a summary of the NYSDEC comments and how they were addressed.

As previously agreed with NYSDEC, this document is an addendum to the October 2011 RI Report. It provides a comprehensive report for those Areas of Concern (AOCs) where additional investigation was conducted subsequent to NYSDEC's 4 June 2012 comment letter. The status of all other AOCs identified in the October 2011 RI Report remain unchanged.

2.0 AOC INVESTIGATION UPDATES

Based on the knowledge of past operations and the historical investigations conducted prior to 2002, Areas of Concern (AOCs) were identified at the Site. The following AOCs were defined to allow for differentiation during the Site characterization and reporting process:

AOC 1: Drainage systems that include: (1) two floor drains located south of the compressor and annealing rooms and the discharge point in dry well[1] SWCB-1; and (2) an isolated former dry well/drain in the compressor room;

AOC 2: Concrete wastewater trench in the northern section of the Finishing Department;

AOC 3: Boiler Room dry wells;

AOC 4: Accumulation of scrap parts and tumbling media on the ground surface in the southwest portion of the Site;

AOC 5: Storm water drainage system located in the southwest portion of the Site consisting of; (1) two dry wells (SWCB-2 and SWCS-3); and (2) one recharge basin;

AOC 6: 5,000-gallon No. 2 fuel oil UST;

AOC 7: PCE-impacted soil near the southeast corner of the building; and

AOC 8: The SE Drywell was discovered in 2006 and is located on the exterior of the southeast portion of the building. The SE drywell is believed to have received water from the building roof leaders only.

Figure 1-2 shows the AOC locations. We also note the addition of one new, previously unidentified AOC (AOC 9, Northeast Drywell), which is presented below in Section 2.10. An update on the status of each AOC is provided in the following subsection.

2.1 BACKGROUND SOIL SAMPLING

Background soil samples were included in the original RI Work Plan because some criteria in the now-superseded TAGM-4046 soil cleanup guidance referenced site background conditions. Two (2) background soil samples (BG-1 and BG-2) were selected in the northern portion of the

[1] In this document, the term dry well refers to pre-fabricated concrete rings, generally 8-10 feet in diameter, installed to a depth of 15-20 feet below grade. The bottom of these structures is open to allow water to infiltrate to the underlying soil.

property at a location where no historic manufacturing operations have occurred. The samples were located in the front yard, in an area that has been a maintained lawn since the Site was developed. Land use history in this area was verified through review of historical aerial photographs. The initial samples were collected in March, 2006, using a hand auger and were analyzed for the Target Analyte List and Target Compound List, plus tentative identification and approximate quantification of up to 30 additional non-target organic chemicals (TAL/TCL+30).

The location of samples BG-01 and BG-02 is presented in Figure 2-1. In the March 2006 sampling, BG-01 exhibited total PCBs at 1,800 micrograms per kilogram (µg/kg) in the primary sample, and 7,600 µg/kg in the duplicate sample. The PCB concentration in the primary sample exceeded the Commercial Soil Cleanup Objective of 1,000 µg/kg, while the results from the duplicate sample exceeded the Commercial SCO, as well as the Protection of Groundwater SCO of 3,200 µg/kg. The second background sample, BG-02, was collected approximately 55 feet to the east of BG-01 and did not contain detectable levels of PCBs.

PCBs are not known to have been used at the Site, and none of the other 11 soil samples collected at the Site for PCB analysis exceeded the Commercial Soil Cleanup Objectives (SCO) or the Protection of Groundwater SCO for PCBs. The single PCB exceedance found at BG-01 is interpreted to be a de minimus outlier. To verify this interpretation, a supplemental soil sample was collected at BG-01 at a depth of 0-1 feet (i.e., the depth of the original sample). At the request of NYSDEC, an additional soil sample was also collected at BG-01 from the 0-2 inch interval to assess the potential for direct exposure. The sampling was performed on 23 October 2012; both samples were analyzed for PCBs via EPA Method 8082.

The sample results are shown on Table 2-1. No PCBs were detected in either sample. As a result, the original interpretation regarding the initial detection at BG-01 is confirmed. No further action is recommended for this area.

2.2 AOC 1 - COMPRESSOR/ANNEALING ROOM DRAINAGE SYSTEM

There are no changes to the status of this AOC.

2.3 AOC 2 - FINISHING DEPT. WASTEWATER TRENCH

There are no changes to the status of this AOC.

2.4 AOC 3 - BOILER ROOM DRY WELLS

There are no changes to the status of this AOC.

2.5 *AOC 4 - FORMER SCRAP METAL PILES*

There are no changes to the status of this AOC.

2.6 *AOC 5 - STORMWATER DRAINAGE SYSTEM*

AOC 5 includes three interconnected drainage structures. From upstream to downstream, this system consists of dry well SWCB-02, dry well SWCB-03 and a recharge basin (see Figure 2-2). Previous soil sampling performed in 2006-2008 in dry wells SWCB-02 and SWCB-03 were successful in delineating the vertical extent of polycyclic aromatic hydrocarbon (PAH) impacts below these structures. The reader is referred to the October 2011 RI Report for a detailed reporting of these findings. Subsequent sampling was performed to complete the delineation of PAH impacts in the recharge basin, as described below.

Soil samples were previously collected at two locations in the recharge basin. Sample location SR-01 was situated at the outfall of the overflow pipe from upstream dry well SWCB-03. Sample SR-02 was located at the opposite end of the basin. The results of the prior sampling found PAH impacted soil at SR-01, but not SR-02. The results at SR-02 demonstrate that the areal extent of the impacted soil is limited. However, the depth of the PAH impacts at SR-01 was not defined; therefore additional sampling was performed to complete the vertical delineation at this location.

On 6 December 2012, additional samples were collected at location SR-01 at depths of 9.0-9.5, 10.0-10.5, 11.0-11.5, and 13.0-13.5 feet below grade. Each sample was analyzed for PAHs via EPA Method 8270C. As presented in Table 2-2, all PAH concentrations from these deeper samples are below the Commercial SCO and the SCOGW. A summary of the results for all soil samples collected to date at SR-01 is presented below:

Sample Location	Depth Interval (feet below base of recharge basin)	PAH Exceedance of SCOC or SCOGW
SR-01	0.0 - 2.0	SCOC & SCOGW
SR-01	2.0 - 4.0	SCOC & SCOGW
SR-01	5.0 – 6.0	SCOC & SCOGW
SR-01	7.0 – 8.0	SCOC & SCOGW
SR-01	9.0 – 9.5	Neither
SR-01	10.0 – 10.5	Neither
SR-01	11.0 – 11.5	Neither
SR-01	13.0 – 13.5	Neither

SCOC = Soil Cleanup Objectives (SCO) for Commercial Land Use
SCOGW = SCO for Protection of Groundwater

These results demonstrate that PAHs are delineated to a depth of 8 feet below the bottom of the recharge basin. The horizontal extent of PAHs above criteria is limited to within close proximity of sample location SR-01 (see Figure 2-2). Therefore, delineation in the recharge basin is deemed complete and final refinement of the horizontal extent of impacted soil will be completed as excavation endpoint samples.

2.7 AOC 6 - 5,000-GALLON NO. 2 FUEL OIL UST

There are no changes to the status of this AOC.

2.8 AOC 7 – PCE-IMPACTED SOIL

AOC 7 consists of soil impacted by tetrachloroethene (PCE) located south and southeast of the site building. Pre-remedial characterization of AOC 7 was completed and reported in the October 2011 RI Report. Soil remediation in AOC 7 has been conducted via Interim Remedial Measures (IRMs) and is now complete. A summary of the IRMs is provided below in Section 2.8.1.

2.8.1 AOC 7 Interim Remedial Measures

Soil vapor extraction (SVE) was initially selected as the remedial technology, as described in the document entitled "Interim Remedial Measure – Soil Vapor Extraction" (ERM, February 2006). In October 2010, soil samples were collected to assess the progress of the SVE remediation in AOC 7. Two of the ten sampled locations found residual PCE in excess of its SCOGW value (see Figure 2-3). These results were reported to the Department in ERM's letter report dated 8 December 2010. These data demonstrated that the SVE remedy was successful in reducing PCE concentrations to below the applicable criteria throughout most of AOC 7. Soil in a small area outside the building (i.e., in the vicinity of borings IRM-03R and SB-13R) remained non-compliant.

As a result, the IRM was completed by excavating the remaining PCE-impacted soil, as per "Addendum No. 2 to the February 2006 SVE IRM Work Plan" (ERM, May 2011). Documentation of the completion of the AOC 7 IRM was provided in the "Construction Completion Report for AOC 7" (ERM, October 2011). As described in this document, soil samples were collected to document clean excavation endpoints. The sampling exceeded the minimum spacing requirements stated in the NYSDEC DER-10 guidance document. The sampling results are summarized on Figure 2-4, which show the location of the samples demonstrating a clean (i.e., less than the Part 375 Unrestricted Use Soil Cleanup Objectives) excavation perimeter. These samples include the following:

- East Wall - VOC levels were below criteria at SB-35 and SB-43 at depths of 1.0 to 1.5 feet and 6.0 to 6.5 feet.
- West Wall - VOC levels were below criteria at SB-42 at depths of 1.0 to 1.5 feet and 6.0 to 6.5 feet, as well as SB-32 at depths of 3.0 to 4.0 feet and 5.0 to 6.0 feet.
- North Wall – the building foundation wall defined the northern extent of the excavation; data from SB-32, SB-34, SB-13R and SB-35 demonstrate that VOCs were below criteria at these locations at a depth of 6.0 to 6.5 feet.
- South Wall - VOC levels were below criteria at SB-36 and SB-43 at depths of 1.0 to 1.5 feet and 6.0 to 6.5 feet.

The center of the excavation (surrounding boring SB-38) required deeper excavation to a depth of 10.0 feet below grade. Four soil samples (SB-46 through SB-49) were collected around SB-38 at a depth of 10.0 to 10.5 feet to document clean endpoints in the inner, deeper portion of the excavation.

Based on the information provided above, the IRM is deemed complete, and no further action is proposed for soil in AOC 7.

2.8.2 On-Site (AOC 7) Soil Vapor Intrusion Sampling

Several on-Site sampling events were conducted to evaluate the on-Site building for soil vapor intrusion (SVI). Each round consisted of five (5) co-located and concurrent indoor air and sub-slab soil vapor samples, plus one (1) outdoor air sample (see Figure 2-5 for locations). Prior to each sampling round, the sub-slab depressurization system[2] was turned off for at least 48 hours. All samples were tested for VOCs via EPA Method TO-15. Copies of the sampling log sheets, indoor air quality questionnaire and product inventory for each sampling event are provided in Appendix B. The following sampling events were performed:

- The first SVI sampling event was conducted on 15 July 2011 to provide a baseline set of data documenting indoor air conditions prior to the AOC 7 remedial excavation.
- Two additional rounds were collected on 7 December 2011 and 10 February 2012 following the completion of the excavation.

[2] After conclusion of the targeted soil remedy, the SVE system was converted to a sub-slab depressurization system consisting of a single extraction well (VEW-5) located beneath the southeast corner of the building. See Section 2.8.3 for further detail.

- Sampling was conducted in December, 2012, to assess the need for continued operation of the sub-slab depressurization (SSD) system.
- After the December, 2012, results indicated that mitigation was not required, the SSD system was taken offline in February, 2013. An additional round of sampling was then conducted in March, 2013, to assess the potential for rebound in sub-slab VOC concentrations.

All results were evaluated in accordance with the decision matrices in the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (NYSDOH, October 2006).

2.8.2.1 Sampling Methodology

The five permanent sub-slab vapor points were installed following Section 2.7.2 of the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Teflon tubing (1/4-inch) was installed approximately three to four inches into the sub-slab material at each location. Glass beads were placed in the annular space around the tubing to a depth of one inch above the end of the tubing. The borehole was then sealed to grade with hydraulic cement. A compression fitting and threaded plug to seal the tubing is provided at the surface.

Immediately prior to sampling, a Helium Tracer Gas Test was performed to verify that no infiltration of indoor air occurs during sampling. This consisted of applying a shroud that covers the top of the seal. The tubing was connected to a portable helium detector. Helium gas was then applied underneath the shroud to enrich the atmosphere in the immediate vicinity of the area where the probe intersects the ground surface. A vapor sample was then collected from the sample point and tested for the presence of high concentrations (>10%) of helium. Once the sample point passed the test, sampling proceeded.

Prior to sampling, at least three volumes were purged from each sampling point and tube, at a flow rate of 0.2 liters per minute (L/min). The samples were collected using certified clean Summa® canisters under a vacuum of at least 25 inches w.c. The sample duration was eight hours to reflect the typical exposure duration for building occupants.

2.8.2.2 July 2011 SVI Sampling Results

The results of the July 2011 SVI sampling round are presented in Table 2-3. Three sampling locations (stations 03, 04 and 05) exhibited concentrations of PCE that produced a result of "Mitigate" when applied to the NYSDOH decision matrices. These results represent conditions prior to the removal of suspected residual source material (i.e., PCE-impacted soil that still existed at that time in AOC 7). The presumed

source material was excavated in August, 2011, and disposed off-Site, as described above in Section 2.8.1.

2.8.2.3 December 2011 and February 2012 SVI Sampling Results

Following the August, 2011, excavation, two additional rounds SVI samples were collected during the heating season on 7 December 2011, and 10 February 2012. During the December, 2011, event, it was discovered that a PCE-based parts cleaner was in use at the facility. This invalidated the PCE indoor air results from this sampling round. However, the sub-slab concentrations from this event remain as a useful data set. A summary of the usable data from these two sampling events is provided in Table 2-3. The following response actions for each sampling location were identified:

- JH-SS/IA-01 (Station 01) = No further action.
- JH-SS/IA-02 (Station 02) = Monitor.
- JH-SS/IA-03 (Station 03) = Monitor.
- JH-SS/IA-04 (Station 04) = Monitor.
- JH-SS/IA-05 (Station 05) = Mitigate.

Station 05 is in the southeast corner of the building and within AOC 7. This is the only location in the "Mitigate" category, as compared to the pre-remedial sampling event when three locations were in the "Mitigate" category. This suggests that the soil excavation was effective in reducing sub-slab concentrations.

2.8.2.4 December 2012 SVI Sampling Results

The December, 2012, VI sampling was performed as two separate events on December 3rd and 17th. The December 3rd event was intended to be a complete round; however, three of the Summa Canisters collected that date were lost by the laboratory. To correct this situation and ensure each sample station would have concurrent indoor air and sub-slab soil gas samples, two stations were completely resampled on December 17th. In addition, two outdoor air samples were collected one during each sampling event. This unexpected change in plan was reported to the Department in a phone conversation on 12 December 2012. During this conversation NYSDEC approved re-sampling from the two missing locations. This conversation was subsequently documented in an e-mail dated 17 December 2012.

The December, 2012, SVI sampling results are provided in Table 2-3. The following response actions were identified at each sample station:

- JH-SS/IA-01 (Station 01) = Take reasonable and practical actions to identify source(s) and reduce exposures.[3]
- JH-SS/IA-02 (Station 02) = No further action.
- JH-SS/IA-03 (Station 03) = No further action.
- JH-SS/IA-04 (Station 04) = Monitor.
- JH-SS/IA-05 (Station 05) = Monitor.

These data continued the downward trend in sub-slab soil gas and indoor air concentrations seen in the prior data described above.

2.8.2.5 March 2013 SVI Sampling Results

After review of the December, 2012, SVI sampling results, the Department approved temporary inactivation of the sub-slab depressurization (SSD) system on 1 February 2013. The Department requested sampling prior to the end of the heating season to assess for potential rebound of VOCs in soil vapor. The SSD system was inactivated on 4 February 2013, and SVI sampling was conducted on 12 March 2013.

The March 2013 SVI sampling results are provided in Table 2-3. The following response actions were identified at each sample station:

- JH-SS/IA-01 (Station 01) = Take reasonable and practical actions to identify source(s) and reduce exposures.
- JH-SS/IA-02 (Station 02) = Monitor/mitigate.
- JH-SS/IA-03 (Station 03) = Monitor.
- JH-SS/IA-04 (Station 04) = Monitor.
- JH-SS/IA-05 (Station 05) = Mitigate.

The March, 2013, sampling results indicate that the VOC levels at one location did rebound after shutdown of the SSD system. Sub-slab concentrations at Station 05 increased to the point where this location moved into the "Mitigate" category. The other four stations do not require mitigation. Based on these results, the SSD system was reactivated on 10 April 2013 as a conservative measure to protect indoor air quality based on the elevated sub-slab PCE concentration at sample Station 05.

It is noted that the highest concentration of PCE in indoor air is found at Station 02 which is distant from the original source area and near the

[3] This response action is specified in the NYSDOH guidance where indoor air concentrations exceed those in the sub-slab soil gas. It refers to the likelihood that a vapor source may be present inside the building which should be identified and removed.

facility machine shop where PCE use has been observed in the recent past. While the chemical inventory did not find evidence of current PCE use in the building, this is an industrial facility and the inventory cannot be considered absolutely definitive. As a result, the possibility of an indoor PCE source cannot be ruled out.

2.8.2.6 SVI Sampling Summary

The sub-slab soil gas and indoor air concentrations at the Site have generally been declining over time, with the exception of the last sampling round in March, 2013, where some rebound was observed. A summary of the recent results for PCE (the primary constituent of concern) is provided below (data in $\mu g/m^3$):

Sample	Station 1		Station 2		Station 3		Station 4		Station 5	
Date	IA-01	SS-01	IA-02	SS-02	IA-03	SS-03	IA-04	SS-04	IA-05	SS-05
Jul. 2011	6.8	75.9	8.1	171	69.8	997	16	4200	42	1040
Dec. 2011	NA	5.9	NA	235	NA	339	NA	623	NA	698
Feb. 2012	0.65	2.6	2.2	349	2.5	133	2	220	1.4	1480
Dec. 2012	3.7	2.9	0.41	12	1.1	42	0.37	243	0.35	183
Mar. 2013	3.1	8.8	14	167	1.7	359	1.4	216	2.1	3380

This generally downward concentration trend reflects the efficacy of the completed remedial actions in AOC 7, which have substantially removed the vapor source at the Site.

2.8.3 SVE System Conversion to Sub-Slab Depressurization & Next Steps

As previously indicated, following the AOC 7 excavation in August, 2011, sub-slab depressurization of a portion of the building has been maintained by extraction of sub-slab vapors at former SVE extraction VEW-5. All other SVE extraction points were turned off or disconnected. Sub-slab vacuum response testing was performed on 16 September 2011 and 7 March 2012 with only VEW-5 operating to determine the extent of sub-slab depressurization. As shown in Figure 2-5, a measureable vacuum was achieved at all sub-slab monitoring points during the 16 September 2011 test. During the 3 March 2012 test, measurable vacuum was observed in the two points closest to VEW-5 (JH-SS-04 & JH-SS-05). The decrease in response observed during the March, 2012, test is likely due to operation of the building's heating system which can create a vacuum within the building limiting the vacuum influence of the SSD system. Despite the decrease in response, these data indicate successful depressurization of the building slab is occurring where mitigation is required as defined by the vapor intrusion sample results described in the preceding sections.

However, to demonstrate that the March, 2013, rebound of PCE has not affected indoor air, and to confirm the effective operation previously established by the December, 2012, sampling event, an additional round of SVI sampling is proposed for this current heating season (i.e., before 31 March 2014). The sampling will be conducted as outlined in Section 3.11 of the NYSDEC-approved Work Plan dated May 2011. This round of sampling will duplicate the prior SVI sampling events, and consist of five concurrent indoor air/sub-slab vapor samples, and one outdoor air sample. Immediately prior to shutting down the SSD system for this sampling event, the sub-slab vacuum will be measured to assess the current vacuum influence of the SSD system. Following third-party data validation, the sampling results will be presented in a letter report to NYSDEC. These results will be evaluated in order to determine the effectiveness of the SSD system and the need, if any, for further sampling during the 2014-2015 heating season.

2.8.4 Off-Site Soil Vapor Intrusion Sampling

2.8.4.1 Properties Evaluated

During the course of the RI investigation, four nearby properties were evaluated for soil vapor intrusion. These properties and their current status are summarized below.

Fun World Building

Fun World is a commercial building that lies immediately east of the J&H eastern property line. Previous sampling documented in the October 2011 RI Report led to a conditional approval from NYSDOH of no further action for this property. Additional soil gas sampling was requested to evaluate potential rebound effects associated with temporary shutdown of the SSD system. This work is reported below in Section 2.8.4.2.

Country Glen Center (115 Old Country Road, NYSDEC Site No. 130199)

The Country Glen Center is a shopping plaza located southeast of the Site and south of the Long Island Railroad right-of-way. Previous sampling led NYSDOH to conclude that soil vapor intrusion at this site is not related to VOCs from the J&H Manufacturing site. The sampling results documented in the October 2011 RI Report led to an unconditional approval from NYSDOH of no further action for this property by the Volunteers.

One Old Country Road Building

One Old Country Road is an office building located southwest of the Site and south of the Long Island Railroad right-of-way. Previous sampling

documented in the October 2011 RI Report led to an unconditional approval from NYSDOH of no further action for this property.

Fairhaven Apartments

The Fairhaven Apartments are located southwest of the Site and south of the Long Island Railroad right-of-way. Previous sampling documented in the October 2011 RI Report led to an unconditional approval from NYSDOH of no further action for this property.

2.8.4.2 Soil Gas Sampling to Assess Fun World Property

Temporary soil gas sample point JH-OSV-01 was installed to assess rebound of VOC levels adjacent to the Fun World building. This point was installed on 7 December 2011 in proximity to historic soil vapor sample SV-01. (The original SV-01 location was unavailable because access to the Fun World property could not be obtained.)

The new temporary soil vapor point (JH-SOV-01) was installed following Section 2.7.1 of the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. A temporary vapor point and screen attached to Teflon tubing (1/4-inch) was driven approximately five feet below ground surface using drill rods and a hammer drill. The drill rods were removed and glass beads were placed in the annular space around the screen to a depth slightly above the top of the screen. The borehole was then sealed to grade with a Volclay/cement mix. Immediately prior to sampling, a Helium Tracer Gas Test was performed as described above. Prior to sampling, at least three volumes were purged from each sampling point and tube, at a flow rate of 0.2 liters per minute (L/min). The samples were collected using certified clean Summa® canisters under a vacuum of at least 25 inches w.c. The sample duration was eight hours to reflect the typical exposure duration for building occupants.

Soil gas sample locations SV-01 and JH-OSV-01 are shown in Figure 2-5. The analytical results for JH-OSV-01 are provided on Table 2-4. The results for JH-OSV-01 and SV-01 are summarized below:

Sample	Date	PCE ($\mu g/m^3$)	TCE ($\mu g/m^3$)	cis-1,2-DCE ($\mu g/m^3$)	Vinyl Chloride ($\mu g/m^3$)
SV-01	3/26/2006	1400	40	ND	ND
JH-OSV-01	12/7/2012	40	1.7	ND	ND

Since soil vapor sample SV-01 was collected on 26 March 2006 the concentrations of PCE and TCE have fallen in this area of the Site by at least one order of magnitude. These data clearly show that concentrations have decreased significantly over time and rebound has not occurred.

Based on these results, and in accordance with the Department's 4 June 2012 letter (see Appendix A), no further action regarding vapor intrusion at the Fun World property is warranted.

2.9 AOC 8 – SOUTHEAST DRY WELL

There are no changes to the status of this AOC.

2.10 AOC 9 – NORTHEAST DRY WELL

This is a new AOC not previously reported in prior documents. The NYSDEC comment letter dated 4 June 2012 requested additional work to follow-up on low levels of dissolved PAHs detected in well MW-04 that exceeded the extremely low standards for these compounds. In response, confirmation re-sampling of well MW-04 was proposed with analysis for PAHs via EPA Method 8270C using Selective Ion Monitoring (SIM). If these results confirmed the prior data, soil sampling was proposed in the nearest potential source, a storm water dry well located 10 feet southwest of MW-04. This approach was approved by NYSDEC.

The re-sampling of MW-04 did confirm the presence of dissolved PAHs above standards at this location. These results are reported in detail in Section 3.1. As a result, a new AOC was designated as AOC 9 - Northeast Dry Well (see Figure 1-2 for location).

The dry well soil sampling was performed in January, 2013, using a direct-push drill rig. The following intervals below the bottom of the dry well were sampled: 0-1 feet, 4-5 feet, 9-10 feet, and 14-15 feet. These samples were analyzed for PAHs via EPA Method 8270C. The results are reported in Table 2-5. Only the uppermost sampling interval (0-1 feet below the base of the dry well) was impacted above the applicable standards. It is, therefore, concluded that vertical extent of the impacted soil has been delineated such that remedial planning can proceed.

3.0 GROUNDWATER CHARACTERIZATION UPDATE

This section documents all groundwater sampling events performed at the Site since the October 2011 RI Report was issued. As previously indicated in Section 2.10, well MW-04 was sampled relative to newly identified AOC 9 (Northeast Dry Well). In addition, one round of VOC sampling was completed for all on-Site wells. All samples were collected using low-flow methods, consistent with previously approved project Work Plans. These results are discussed in the subsections below. Well locations and the most recent water table contour map (February 2011) are provided in Figure 3-1.

3.1 POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

PAHs have previously been identified at trace levels in groundwater at the Site. However, the groundwater standards for several PAH constituents are extremely low (e.g., 0.002 µg/L, or non-detect in the case of benzo(a)pyrene), therefore exceedances have been found. The highest levels (although still quite low) were found in well MW-04; therefore retesting of this well was performed to verify the previous results. Well MW-04 was sampled twice, initially on 23 October 2012, then again on 6 December 2012. Both samples were analyzed for PAHs by Method 8270 SIM and the results are presented in Table 3-1.

Analysis of the October sample was impacted by Hurricane Sandy. The laboratory lost power and its refrigerators were down for extended period. Consequently, the sample was not maintained at the proper temperature (<4^{o}C) and the resulting data were biased low. As indicated in Table 3-1, the sample was below criteria for all analytes, but due to the low bias, the results were rejected and a new sample was collected.

The December sample also experienced QA/QC issues in the laboratory (extraction outside of holding time). Again, the resulting data were biased low. However, due to the presence of low-level positive detections that exceeded the extremely low standards for certain PAHs (see Table 3-1), the data were acceptable for use. Based on these results, it was concluded that the previously identified presence of PAHs in well MW-04 was confirmed, and that additional follow-up soil sampling of a potential source in a nearby dry well was warranted. See Section 2.10 for a discussion of this work.

No additional investigation is recommended relative to PAHs in Site groundwater. The detected levels in MW-04 remain low and the soil sampling results in the nearby dry well did not indicate the presence of a significant on-going source. Nonetheless, remediation is planned for the small amount of impacted soil found in this dry well.

3.2 VOLATILE ORGANIC COMPOUNDS (VOCs)

All on-Site wells were sampled in February, 2013[4], with analysis for VOCs by Method 8260. The results are presented in Table 3-2. One well (MW-01) had a positive detection above criteria. PCE was found in this sample at 13.3 μg/L (standard = 5.0 μg/L). These results are consistent with the last sampling event conducted in September, 2010, and documented in the October 2011 RI Report.

Three on-Site wells have historically been impacted with PCE: MW-01, MW-02 and MW-05. PCE concentration versus time plots for these wells are provided as Figures 3-2, 3-3 and 3-4. Each shows a strong downward trend; two of the three wells have now been in compliance for over five years. Only trace levels of VOCs remain in a single well, and these are expected to continue diminishing over time now that remediation of the VOC source at the J&H Site (AOC 7) has been completed.

[4] Four of the five on-Site wells were sampled on 20 February 2013. The fifth well (MW-1) was obscured by dense brush and could not be located. The area was cleared on 25 February 2013 to reveal MW-1, which was sampled later that day. NYSDEC was notified of this change in the planned sampling schedule.

4.0 FISH & WILDLIFE IMPACT ANALYSIS UPDATE

There are no changes to the Fish & Wildlife Impact Analysis presented in the October 2011 RI Report.

5.0 DATA USABILITY SUMMARY REPORTS

All samples collected during the course of the RI were analyzed by NYSDOH ELAP-certified laboratories. All results were reported with Category B laboratory data deliverables and have undergone a quality review process documented as Data Usability Summary Reports (DUSRs). This process was described in Section 3.8 of the October 2011 RI Report. The DUSRs for all analytical results produced since the October 2011 RI Report are provided in Appendix C. These reports are organized by Sample Delivery Group (SDG) and cover the following sampling events:

- SDG No. JA81332 – July 2011 J&H Building SVI Sampling
- SDG No. JA94305 – December 2011 J&H Building SVI Sampling
- SDG No. JA99245 – February 2012 J&H Building SVI Sampling
- SDG Nos. JB22884 and JB24232 – December 2012 samples including:
  - J&H Building SVI Sampling
  - Fun World Soil Gas Sampling
- SDG Nos. JB19935 and JB23169 – October 2012 samples including:
  - Groundwater Sampling for PAHs in well MW-04
  - Soil Sampling for PCBs at background location BG-01
  - Soil Sampling for PAHs in AOC 5 recharge basin location SR-01
- SDG No. JB31249 – March 2013 J&H Building SVI Sampling
- SDG Nos. JB29428 and JB29821 – February 2013 Site-Wide Groundwater Sampling for VOCs
- SDB No. JB27538 – January 2013 Soil Sampling for PAHs in AOC 9 location DW-01

Electronic Data Deliverables (EDDs) in EQuIS™ format were submitted for each SDG noted above in accordance with NYSDEC guidance for data submission (http://www.dec.ny.gov/chemical/62440.html). The EDDs were submitted to NYSDEC e-mail box nyenvdata@gw.dec.state.ny.us and subsequently approved by the Department.

The analytical results for the samples collected during the above sampling events are generally valid and usable, with qualifications as noted in each DUSR. The only exception concerns the usability limitations previously noted in Section 3.1 regarding PAHs in groundwater at well MW-04.

The analytical results presented above in Sections 2.0 and 3.0 take into account all qualifiers identified in the data review process and documented in the DUSRs. Overall there was no significant impact regarding the usability of the data set. With the one exception noted

above, the ERM QA Officer has determined that after thorough review of the data set, all samples collected are valid and should be considered usable.

6.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT UPDATE

6.1 SOIL PATHWAYS UPDATE

The Qualitative Human Health Exposure Assessment for soil presented in Section 5.5.1 of the October 2011 RI Report is amended as follows to reflect new data and changes at the Site since publication of this document:

Future On-Site Construction Worker/Utility Worker Direct Contact with Subsurface Soil within AOC 7 (PCE Impacted Soil)

Soil remediation in AOC 7 has been completed as documented in the "Construction Completion Report" (ERM, October 2011). As such, this exposure pathway is no longer complete.

Current & Future On-Site Commercial Worker Direct Contact with Surface Soil within AOC 9 (Northeast Dry Well)

Since AOC 9 is comprised of a dry well, surficial soils are not present within the AOC. As such, no exposure pathway exists.

Current & Future On-Site Commercial Worker Direct Contact with Subsurface Soil within AOC 9 (Northeast Dry Well)

The presence of PAHs in subsurface soils at AOC 9 does not represent a significant human exposure pathway via direct contact. The subsurface soils are not accessible for direct contact exposures, including incidental ingestion and dermal contact, without the performance of intrusive activities. This exposure pathway is, therefore, incomplete.

Future On-Site Construction Worker/Utility Worker Direct Contact with Surface and Subsurface Soil within AOC 9 (Northeast Dry Well)

The presence of PAHs in subsurface soils in AOC 9 represent a complete pathway for future on-site construction worker and utility worker exposure via the incidental ingestion, dermal contact and inhalation of fugitive dust emissions pathway.

6.2 UPDATED CONCLUSIONS

With addition of the above analysis for AOC 9, the conclusions of the Qualitative Human Health Exposure Assessment for soil are amended to indicate potentially complete exposure pathways for the following scenarios:

- AOC 1: Future On-Site Construction Worker/Utility Worker Direct Contact with Subsurface Soil

- AOC 4: Current & Future On-Site Commercial Worker Direct Contact with Surface Soil

- AOC 4: Future On-Site Construction Worker/Utility Worker Direct Contact with Surface Soil

- AOC 5: Current & Future On-Site Commercial Worker Direct Contact with Surface Soil

- AOC 5: Current & Future On-Site Construction Worker/Utility Worker Direct Contact with Surface and Subsurface Soil

- AOC 9: Current & Future On-Site Construction Worker/Utility Worker Direct Contact with Subsurface Soil

Exposure to chemical constituents in groundwater[5] and air[6] represent incomplete exposure pathways for all receptors and exposure timeframes evaluated.

[5] A public potable water supply is available at the Site and surrounding area.

[6] A sub-slab depressurization system is operating at the Site and is planned to continue operating for the foreseeable future. Neighboring off-Site properties have been evaluated for potential vapor intrusion and no unacceptable impacts attributable to J&H were found.

7.0 SUMMARY OF RI FINDINGS

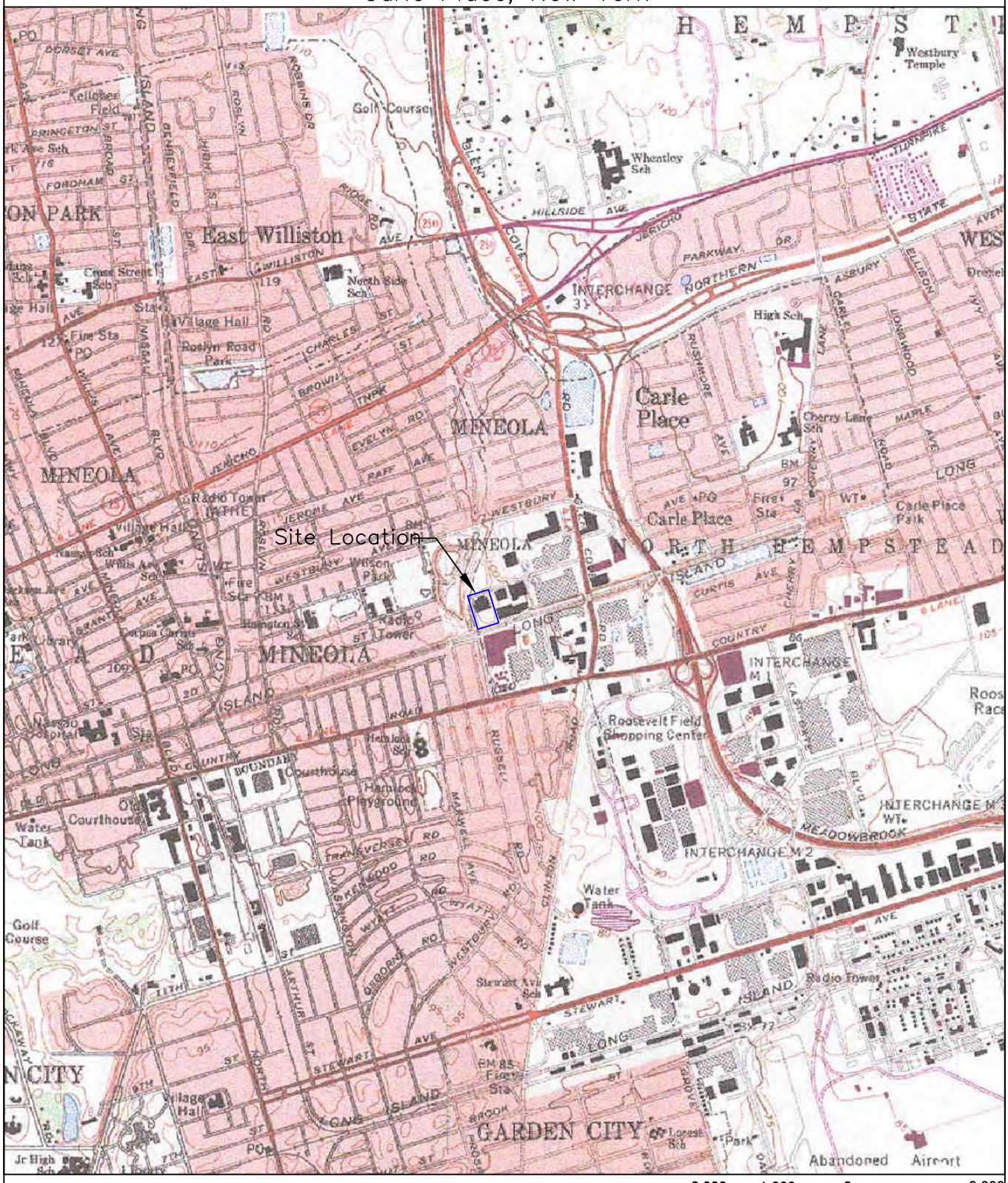
Based on the results of the RI presented in the October 2011 RI Report, and this addendum, seven AOCs require remedial action (see Figure 7-1 for location). These are listed below along with the anticipated remedy.

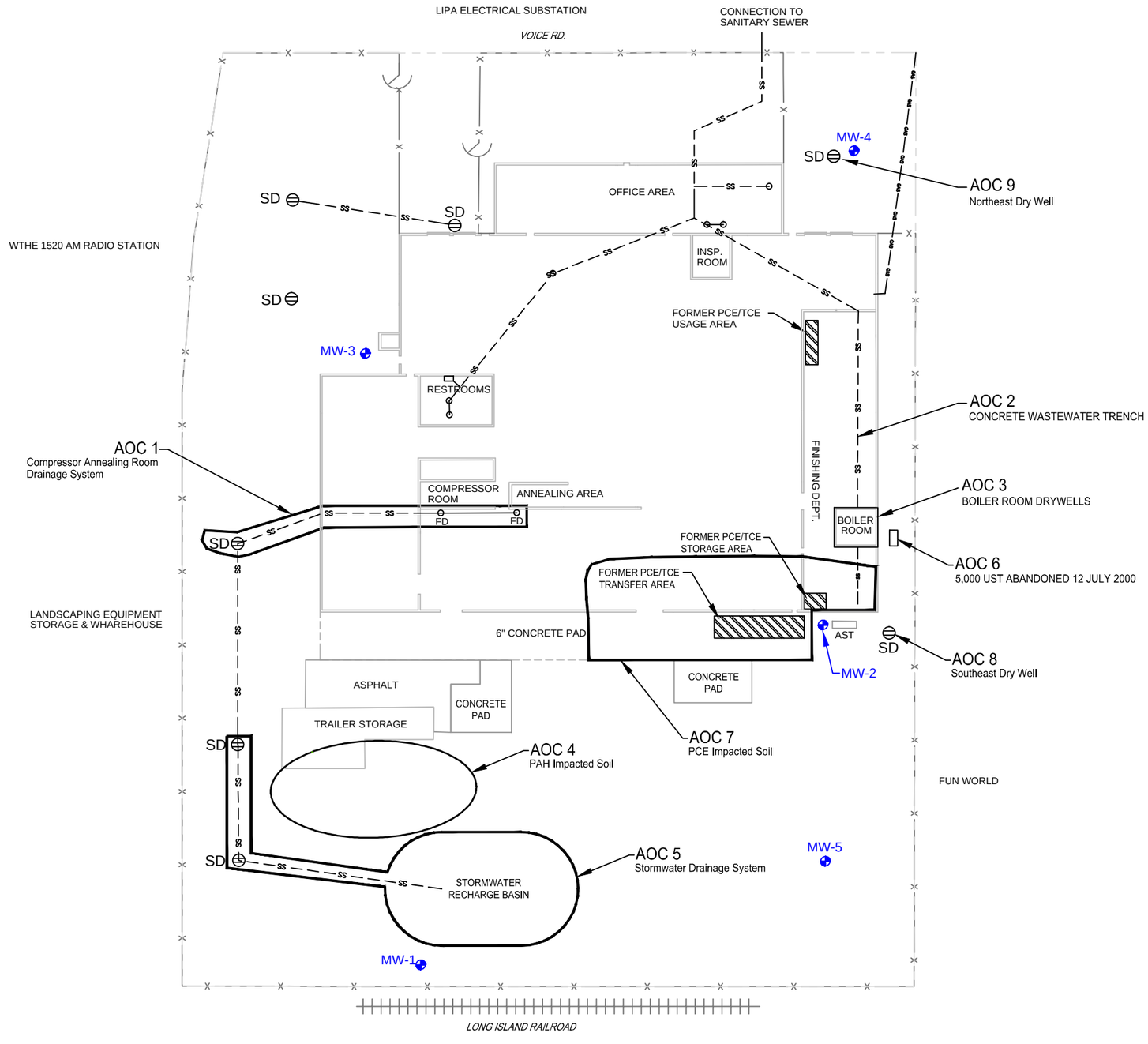
- AOC 1: Compressor/Annealing Room Drainage System – A soil remedy consisting of excavation and off-Site disposal is planned for this AOC.
- AOC 4: Former Metal Scrap Piles – A soil remedy consisting of excavation and off-Site disposal is planned for this AOC.
- AOC 5: Stormwater Drainage System – A soil remedy consisting of excavation and off-Site disposal is planned for this AOC. In addition, impacted soil will be left in place under a deed restriction.
- AOC 7: PCE-Impacted Soil – At this time, PCE remains only in soil vapor at levels warranting mitigation, and an SSD system will continue operating as an engineering control to protect indoor quality in the Site building.
- AOC 8: Southeast Dry Well – The impacted soil at this location will be left in place under a deed restriction.
- AOC 9: Northeast Dry Well – A soil remedy consisting of excavation and off-Site disposal is planned for this AOC.
- Site groundwater – The anticipated groundwater remedy is monitored natural attenuation.

The proposed remedies were documented in a "Remedial Action Work Plan" (ERM, January 2012) previously submitted to the Department. Upon finalization of the RI, this document will be updated to incorporate the new findings.

Figures

Figure 1–1
Site Location Map
Johnson & Hoffman Manufacturing Corporation
Carle Place, New York





TITLE

Facililty Plan Showing AOCs

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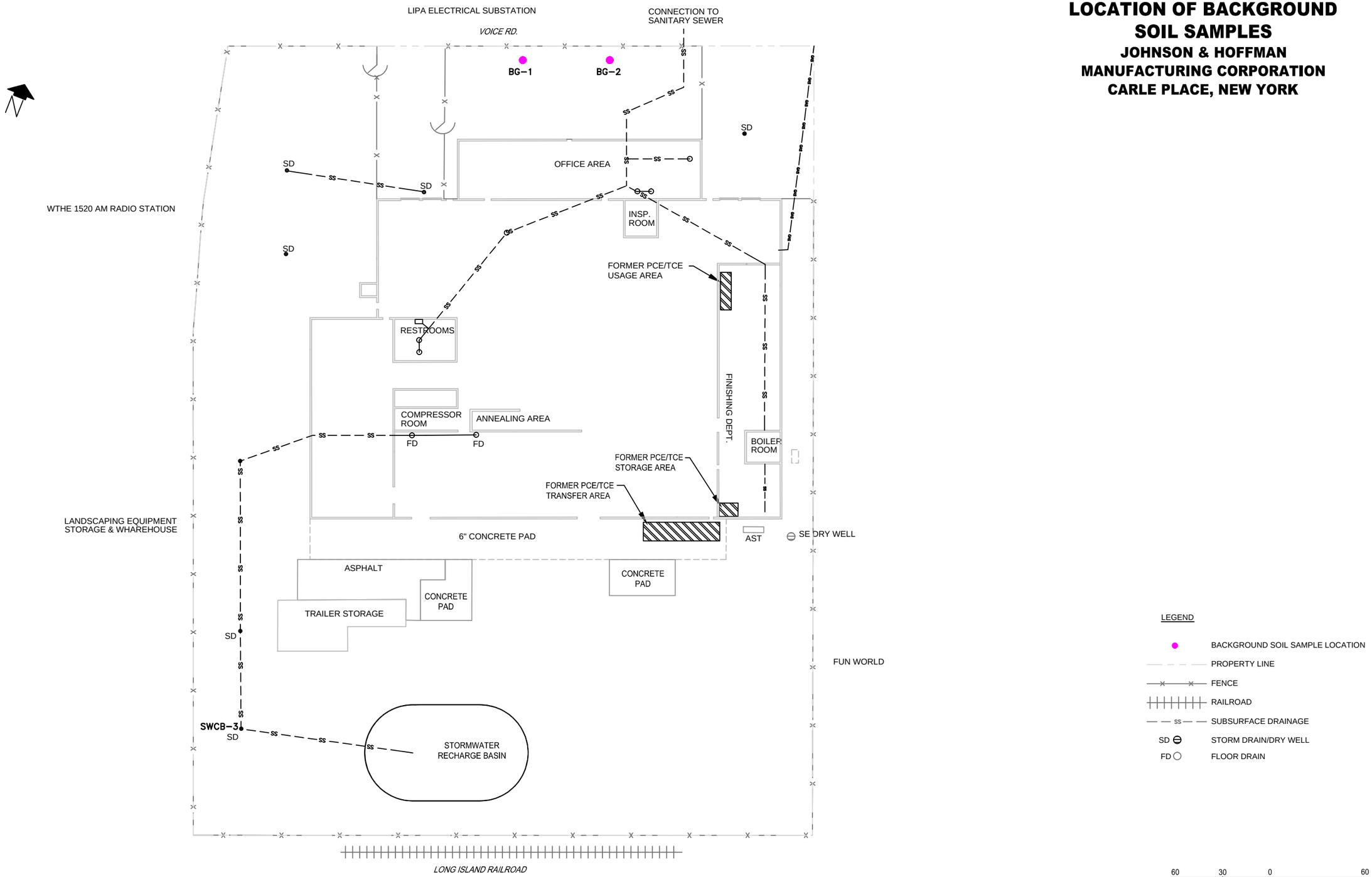
FIGURE 1-2

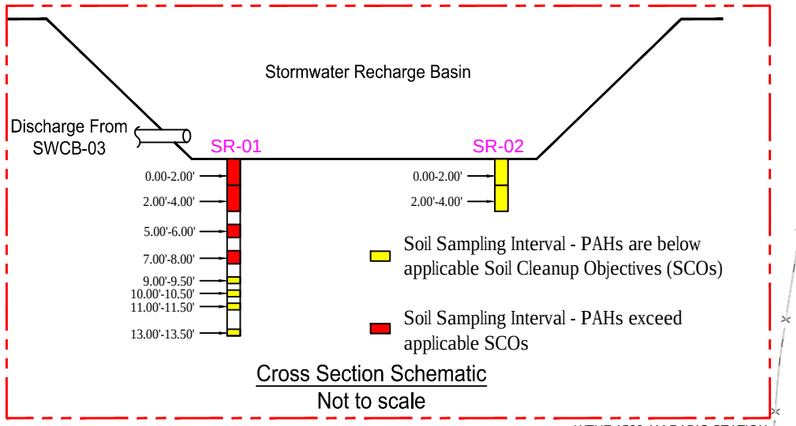
DRAWN BY	SCALE	DATE	JOB NO.
EMF	GRAPHIC	11/18/13	0198956

R:\Scout\Projects\Superior Group - J&H, Carle Place NY\CAD\2013 - Remedial Investigation Report Addendum\CAD\2013-05-22 - Superior Group - Facility Plan- AOCs.dwg (11/18/2013 - 9:41am Melville)

FIGURE 2-1
LOCATION OF BACKGROUND SOIL SAMPLES
JOHNSON & HOFFMAN MANUFACTURING CORPORATION
CARLE PLACE, NEW YORK



R:\SCOUT\PROJECTS\SUPERIOR GROUP - J&H, CARLE PLACE NY\CAD\2013 - REMEDIAL INVESTIGATION REPORT ADDENDUM\CAD\2013-05-15 - SUPERIOR DATE: 05/15/2013

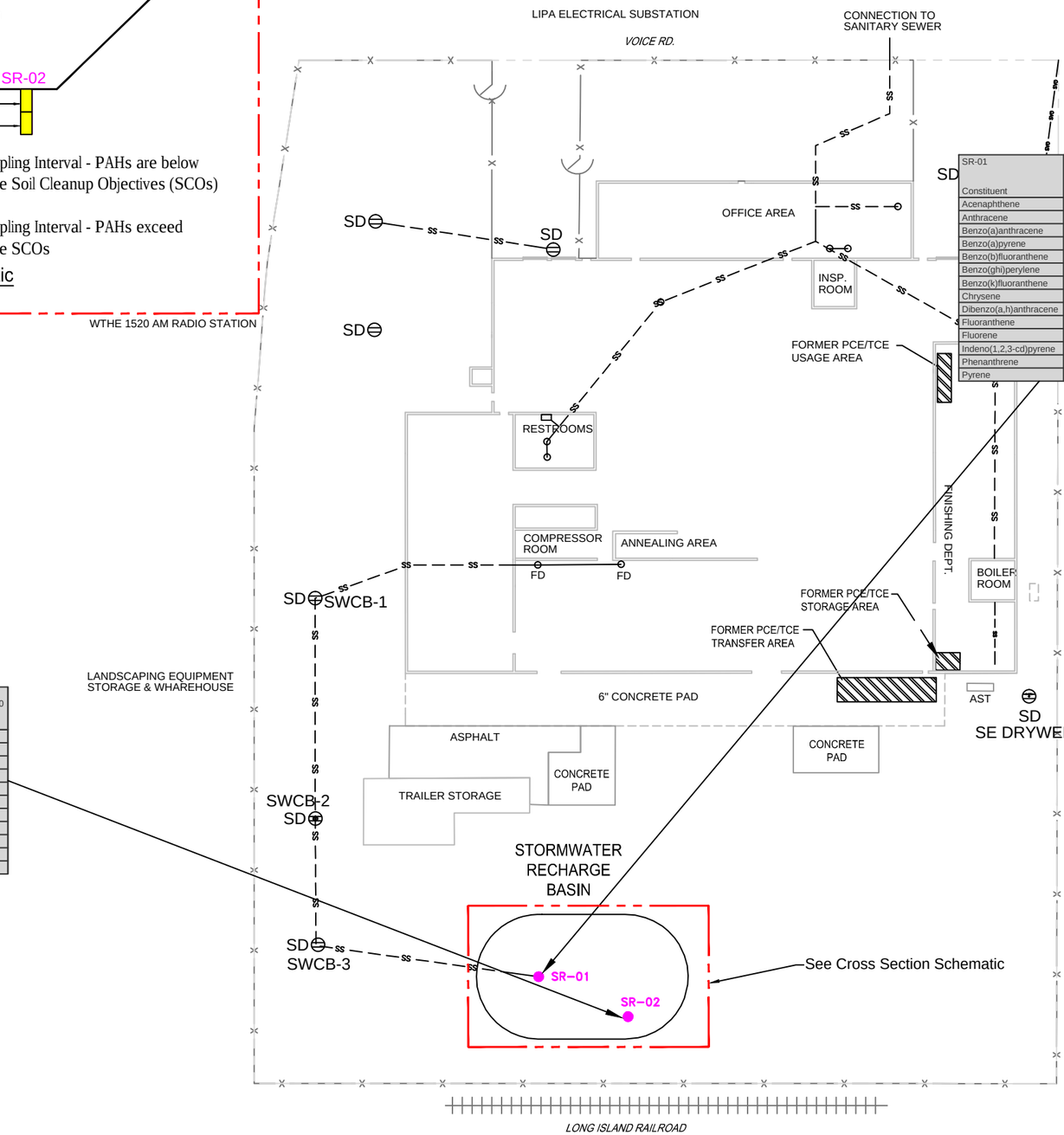


Soil Data in ug/kg

SR-01 Constituent	6NYCRR Part 375 Restricted SCO Commercial	6NYCRR Part 375 Restricted SCO Protection GW	0.00 - 2.00 03/30/06	2.00 - 4.00 03/30/06	5.00 - 6.00 03/29/07	7.00 - 8.00 03/29/07	9.00 - 9.50 12/06/12	10.00 - 10.50 12/06/12	11.00 - 11.50 12/06/12	13.00 - 13.50 12/06/12
Acenaphthene	500000	98000	770 J	1700 J	53 J	72 J	<33 U	<31 U	<32 U	<41 U
Anthracene	500000	1000000	2300 J	4500 J	210 J	240 J	46.2	<31 U	<32 U	<41 U
Benzo(a)anthracene	5600	1000	[11000] J	[21000]	[1600]	[1100]	296	<31 U	<32 U	38.7 J
Benzo(a)pyrene	1000	22000	[12000] J	[22000]	[1900]	[1100]	366	<31 U	<32 U	41.0
Benzo(b)fluoranthene	5600	1700	[20000] J	[37000]	[3300]	[1900]	488	<31 U	<32 U	57.6
Benzo(ghi)perylene	500000	1000000	9400 J	16000	1100	650	330	<31 U	<32 U	36.4 J
Benzo(k)fluoranthene	56000	1700	[8100] J	[12000]	[1700]	770	260	<31 U	<32 U	20.0 J
Chrysene	56000	1000	[17000] J	[31000]	[2400]	[1500]	455	<31 U	<32 U	50.2
Dibenzo(a,h)anthracene	560	1000000	[2400] J	[4200] J	270 J	180 J	95.3	<31 U	<32 U	<41 U
Fluoranthene	500000	1000000	36000 J	68000	4500	3400	859	<31 U	<32 U	80.3
Fluorene	500000	390000	1000 J	2300 J	71 J	96 J	<33 U	<31 U	<32 U	<41 U
Indeno(1,2,3-cd)pyrene	5600	8200	[8600] J	[15000]	1100	670	288	<31 U	<32 U	30.5 J
Phenanthrene	500000	1000000	19000 J	37000	2000	1900	346	<31 U	<32 U	27.4 J
Pyrene	500000	1000000	27000 J	51000	3600	2400	667	<31 U	<32 U	64.3

Soil Data in ug/kg

SR-02 Constituent	6NYCRR Part 375 Restricted SCO Commercial	6NYCRR Part 375 Restricted SCO Protection GW	0.00 - 2.00 03/28/06	2.00 - 4.00 03/28/06
Benzo(a)anthracene	5600	1000	180 J	40 J
Benzo(a)pyrene	1000	22000	310 J	61 J
Benzo(b)fluoranthene	5600	1700	680	120 J
Benzo(ghi)perylene	500000	1000000	390	68 J
Benzo(k)fluoranthene	56000	1700	250 J	43 J
Chrysene	56000	1000	450	86 J
Dibenzo(a,h)anthracene	560	1000000	83 J	<350 U
Fluoranthene	500000	1000000	700	140 J
Indeno(1,2,3-cd)pyrene	5600	8200	350	60 J
Phenanthrene	500000	1000000	200 J	42 J
Pyrene	500000	1000000	550	110 J



LEGEND

- PROPERTY LINE
- FENCE
- RAILROAD
- SUBSURFACE DRAINAGE
- SD — STORM DRAIN/DRYWELL
- FD — FLOOR DRAIN
- [ ] — INDICATES EXCEEDANCE OF APPLICABLE SOIL CRITERIA
- ● — SAMPLES COLLECTED FROM BASE OF RECHARGE BASIN
- J — ESTIMATED VALUE
- U — UNDETECTED

0 60 120

GRAPHIC SCALE IN FEET

TITLE

AOC 5 - Recharge Basin Soil Sampling Results

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FIGURE 2-2

DRAWN BY	SCALE	DATE	JOB NO.
EMF	GRAPHIC	05/23/13	0198956

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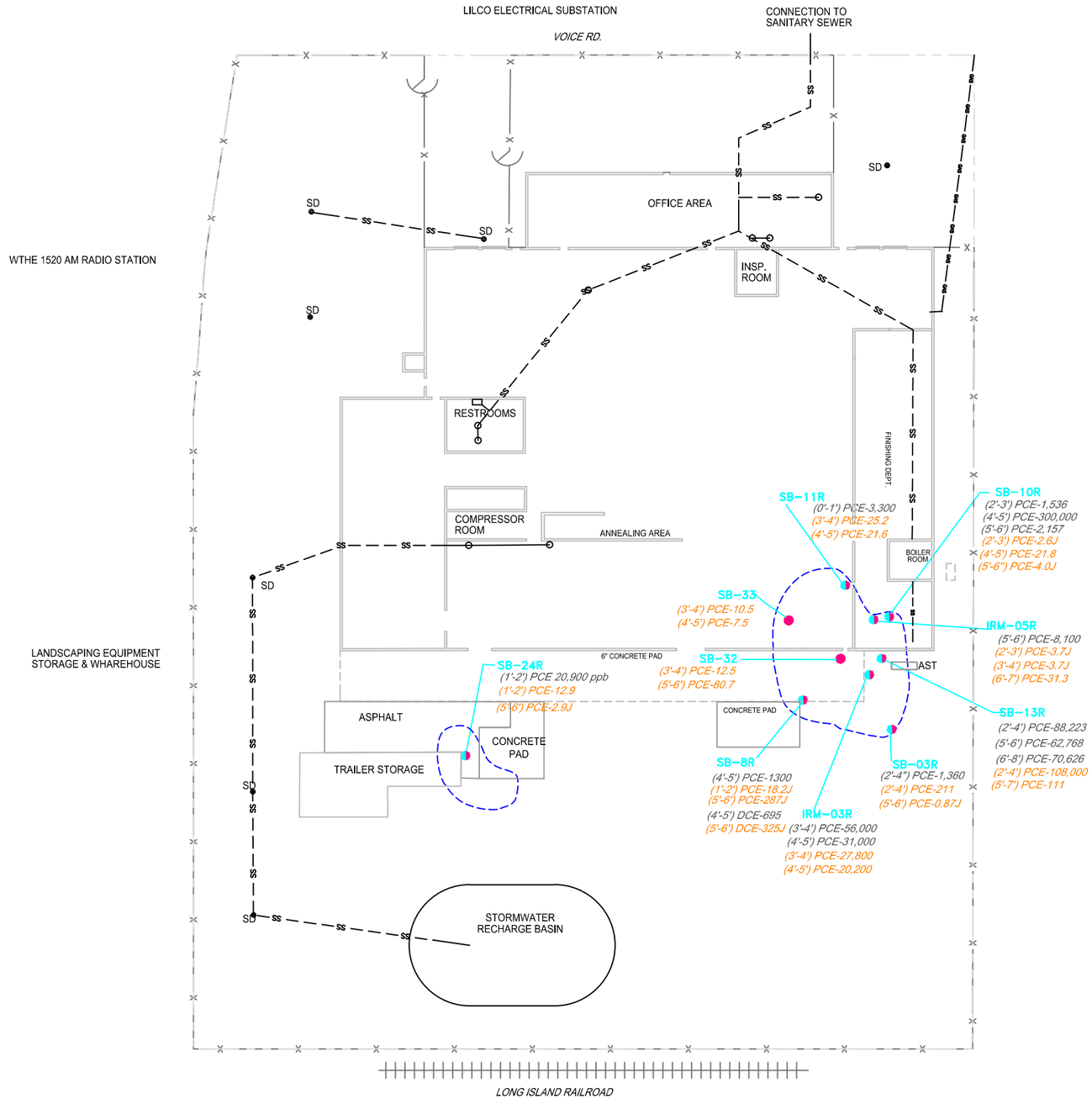

N

LEGEND

- PROPERTY LINE
- FENCE
- RAILROAD
- SUBSURFACE DRAINAGE
- STORM DRAIN/DRYWELL
- 2010 SOIL BORING LOCATION
- 2010 SOIL BORING COLLOCATED WITH PREVIOUS SAMPLE LOCATION
- AREA OF SOIL HISTORICALLY ABOVE SCOGW FOR PCE, TCE & DCE
- *PCE-3,220* — HISTORIC PCE CONCENTRATION IN SOIL = 3,220 UG/KG
- *DCE-3,220* — HISTORIC DCE CONCENTRATION IN SOIL = 3,200 UG/KG
- *PCE-3,220* — 2010 PCE CONCENTRATION IN SOIL = 3,220 UG/KG
- *DCE-3,220* — 2010 DCE CONCENTRATION IN SOIL = 3,220 UG/KG
- *PCE SCOGW* — 1,300 UG/KG
- *DCE SCOGW* — 250 UG/KG

0 60 120

GRAPHIC SCALE IN FEET

TITLE

October 2010 AOC 7 SVE Performance Soil Sampling Results

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Environmental Resources Management

FIGURE 2-3

DRAWN BY	SCALE	DATE	JOB NO.
EMF	GRAPHIC	05/28/13	0198956

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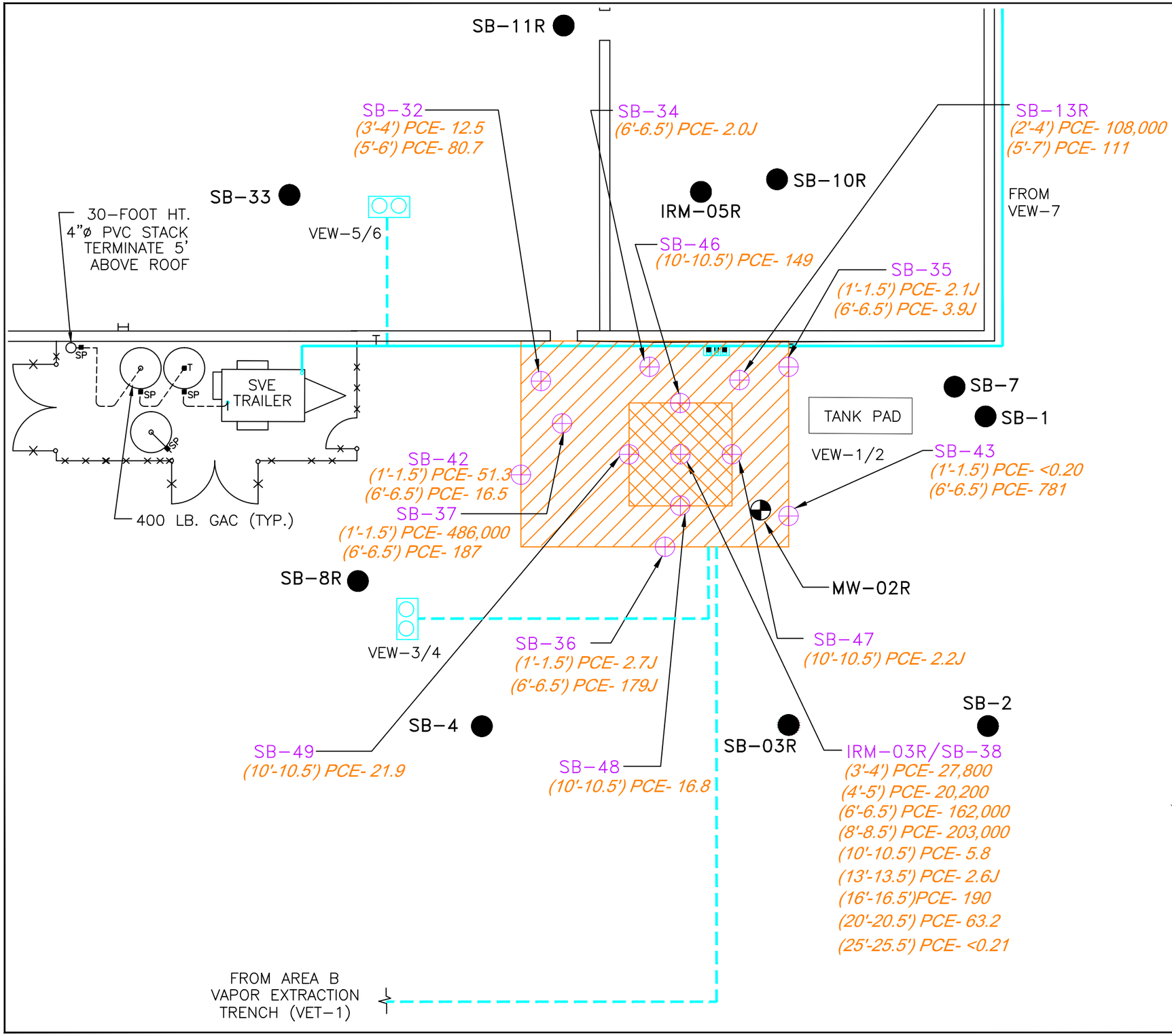

LEGEND

- FENCE
- EXCAVATION AREA (20' X 26' X 6' DEEP)
- MONITORING WELL
- PRE-REMEDIAL ENDPOINT SOIL SAMPLING LOCATION
- PRIOR SOIL BORING CONTAINING PCE LESS THAN SCOGW
- VEW-1/2 — LOCATION OF VAPOR EXTRACTION WELL (SHALLOW/DEEP)
- SVE PIPING (ABOVE GROUND)
- SVE PIPING (BELOW GROUND)
- PCE-27,800 — 2010/2011 PCE CONCENTRATION IN SOIL IN ug/kg
- PCE SCOGW — 1,300 ug/kg
- EXCAVATION AREA (10' X 10' X 10' DEEP)

NOTE: THE FINAL EXTENT OF THE EXCAVATION WAS BASED ON THE MEASUREMENTS TAKEN USING A MEASURING TAPE RELATIVE TO THE BUILDING.

0 10 20

GRAPHIC SCALE IN FEET

TITLE

AOC 7 Endpoint Soil Sample Results & Extent of Excavation

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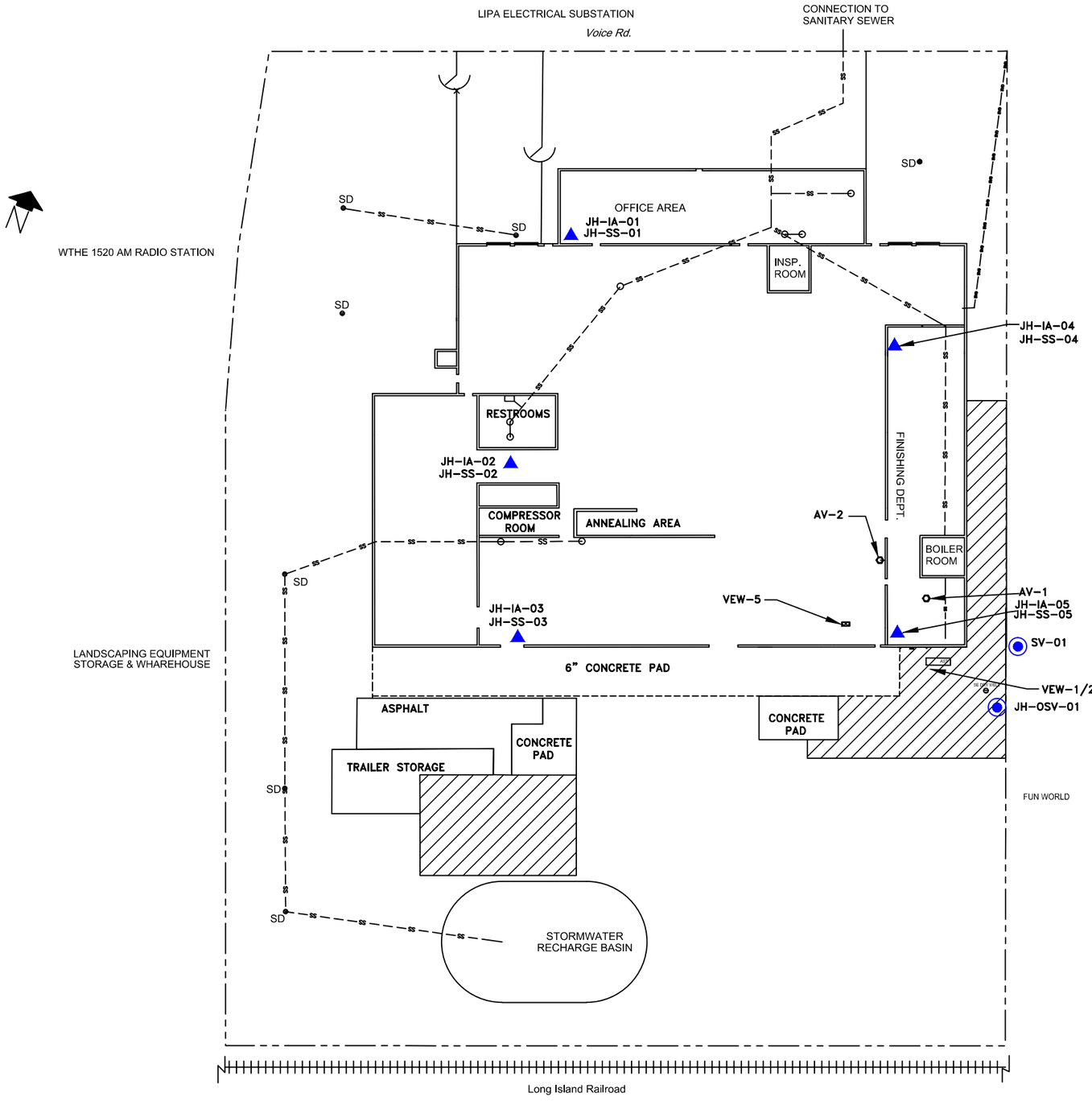
Environmental Resources Management

FIGURE 2-4

DRAWN BY	SCALE	DATE	JOB NO.
JMC	GRAPHIC	05/29/13	0198956

R:\Scout\Projects\Superior Group - J&H, Carle Place NY\CAD\2013 - Remedial Investigation Report Addendum\CAD\2013-05-16 - Superior Group - Actual Extent of Soil Excav.DWG (05/29/2013 - 3:29pm Melville)



Vacuum Response at Sub-Slab Monitoring Points

Extraction Point	Pressure (inches W.C.)	
	9/16/2011	3/7/2012
VEW-5	-28	-31
JH-SS-01	-0.005	+0.003
JH-SS-02	-0.020	+0.003
JH-SS-03	-0.022	0.000
JH-SS-04	-0.060	-0.023
JS-SS-05	-0.164	-0.129
AV-1	-0.166	NR
AV-2	-0.360	NR

VEW-5 approx.flow rate = 180 cfm on 9/16/11
VEW-5 approx.flow rate = 185 cfm on 3/17/12
Negative (-) sign indicates vacuum
Positive (+) sign indicates pressure
NR = No Reading

LEGEND

- PROPERTY LINE
- FENCE
- RAILROAD
- SUBSURFACE DRAINAGE
- SD — STORM DRAIN/DRYWELL
- FLOOR DRAIN
- INDOOR AIR/SUB-SLAB SOIL VAPOR SAMPLING LOCATION
- SOIL VAPOR SAMPLING LOCATION
- 3 INCH ASPHALT CAP WITH 6-MIL POLYETHYLENE LINER
- AIR VENT/VACUUM MONITORING POINT (AV)
- VEW-5 — SVE WELL CONVERTED TO AN SSD WELL

0 60' 120'
GRAPHIC SCALE IN FEET

TITLE
Indoor Air/Sub-Slab &
Soil Vapor Sampling Locations

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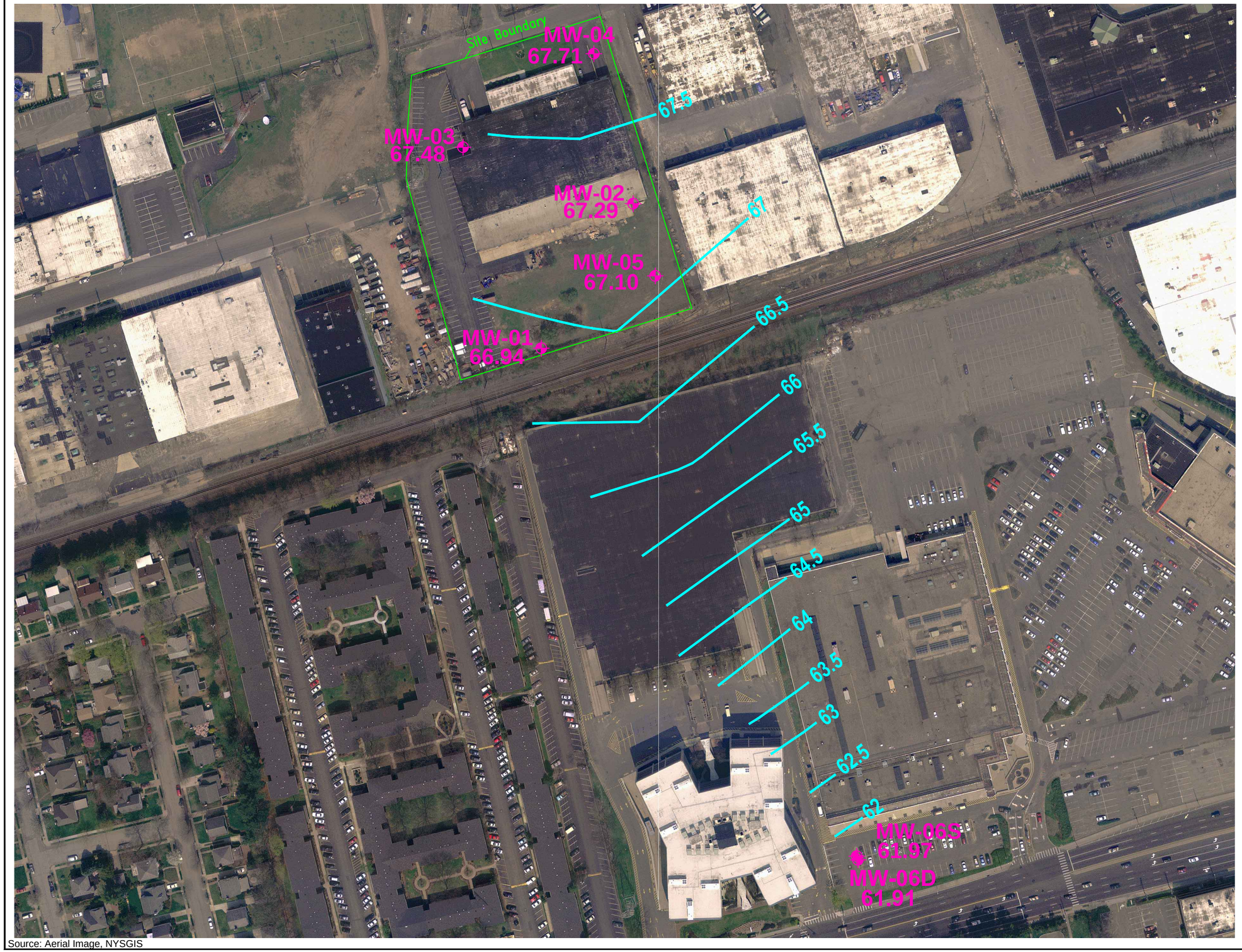
FIGURE 2-5

DRAWN BY	SCALE	DATE	JOB NO.
MLB/EMF	GRAPHIC	05/29/13	0190962

R:\Scout\Projects\Superior Group - J&H, Carle Place NY\CAD\2013 - Remedial Investigation Report Addendum\CAD\2013-03-21 - Superior Group - Sampling Locations.dwg (05/29/2013 - 1:37pm Melville)



Source: Aerial Image, NYSGIS

N

LEGEND

- Monitoring Well Location
- Groundwater Elevation Contour
- 61.97 Groundwater Elevation Data

Groundwater Elevation Data in Feet Above Mean Sea Level

0 150 300

GRAPHIC SCALE IN FEET

TITLE

Water Table Contour Map
28 February 2011

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FIGURE 3-1

DRAWN BY	SCALE	DATE	JOB NO.
EMF	GRAPHIC	05/17/13	0198956

R:\Scout\Projects\Superior Group - J&H, Carle Place NY\CAD\2013 - Remedial Investigation Report Addendum\CAD\2013-05-17 - Superior Group - GW Contour Map Feb 2011.dwg (05/22/2013 - 10:22am Melville)

Figure 3-2
PCE Concentration vs. Time - Well MW-01

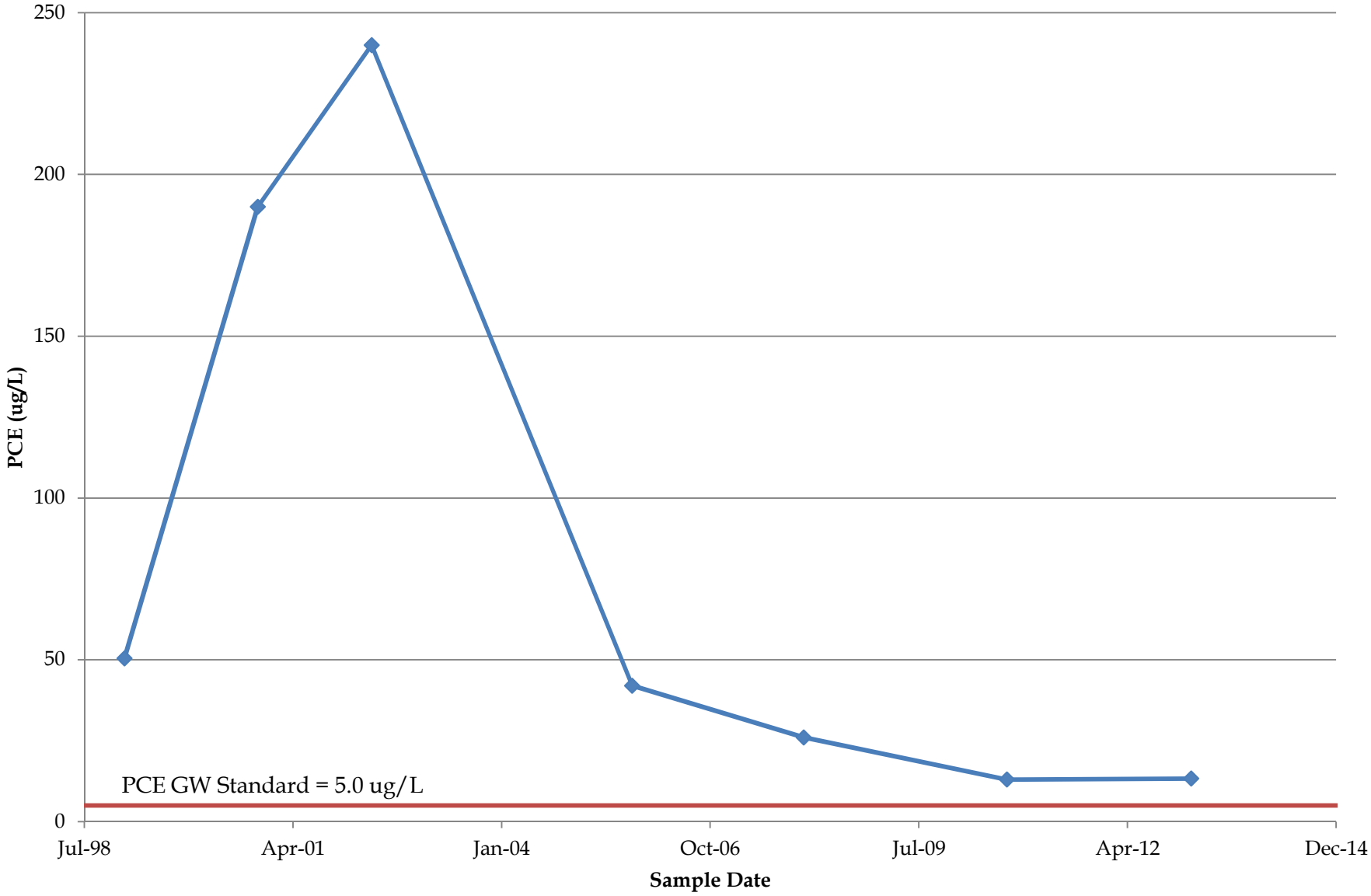


Figure 3-3
PCE Concentration vs. Time - Well MW-02

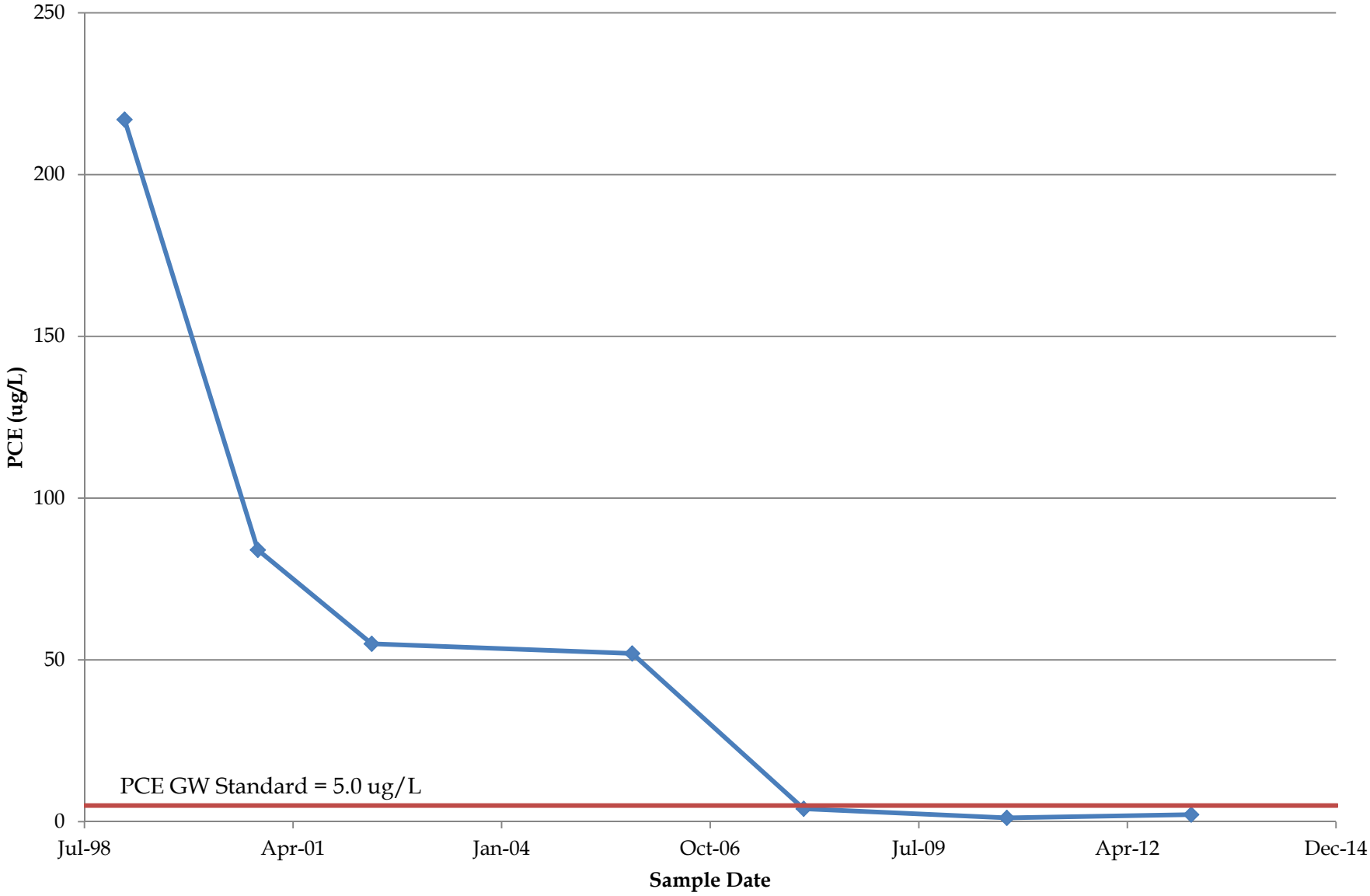
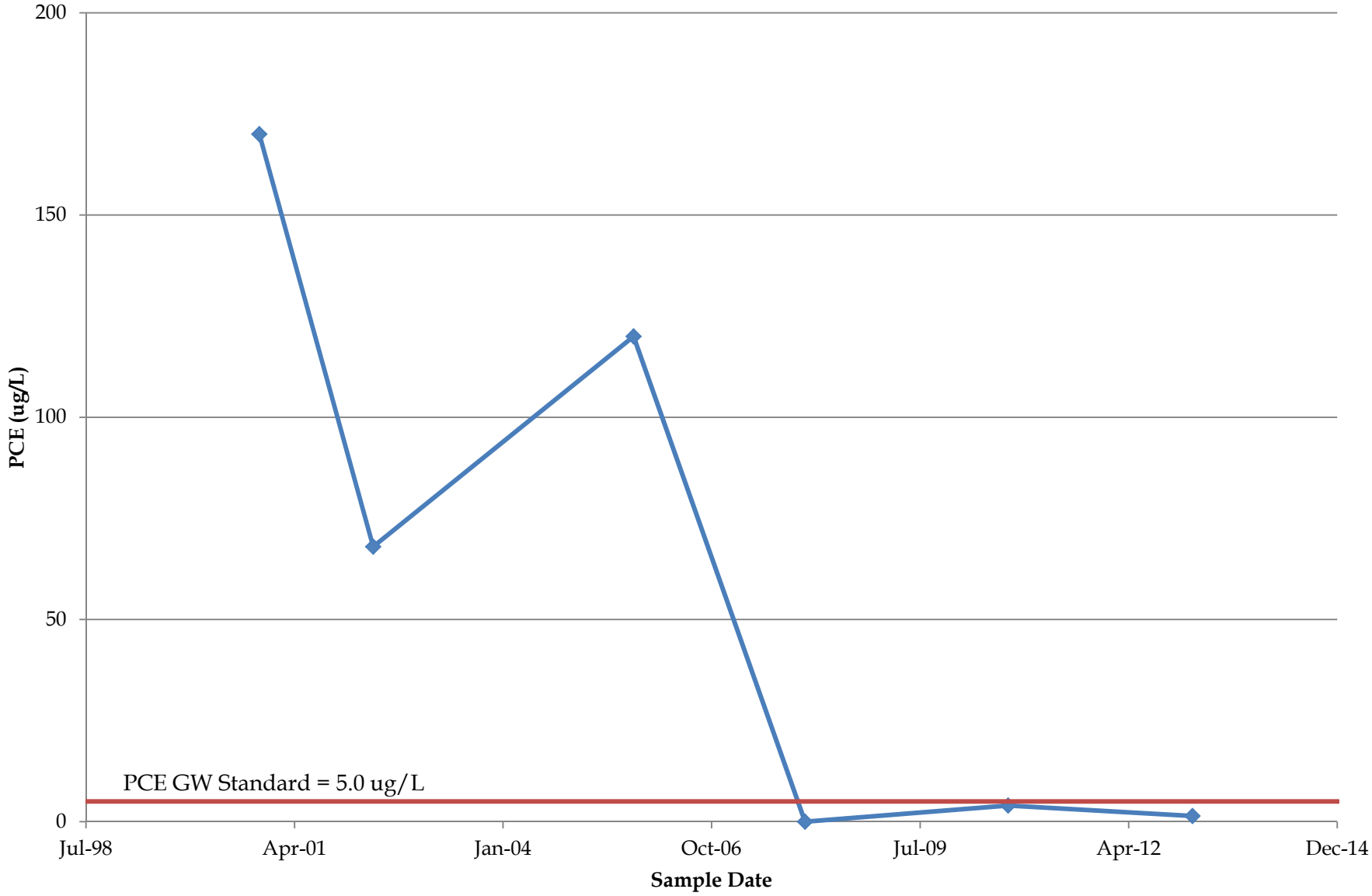
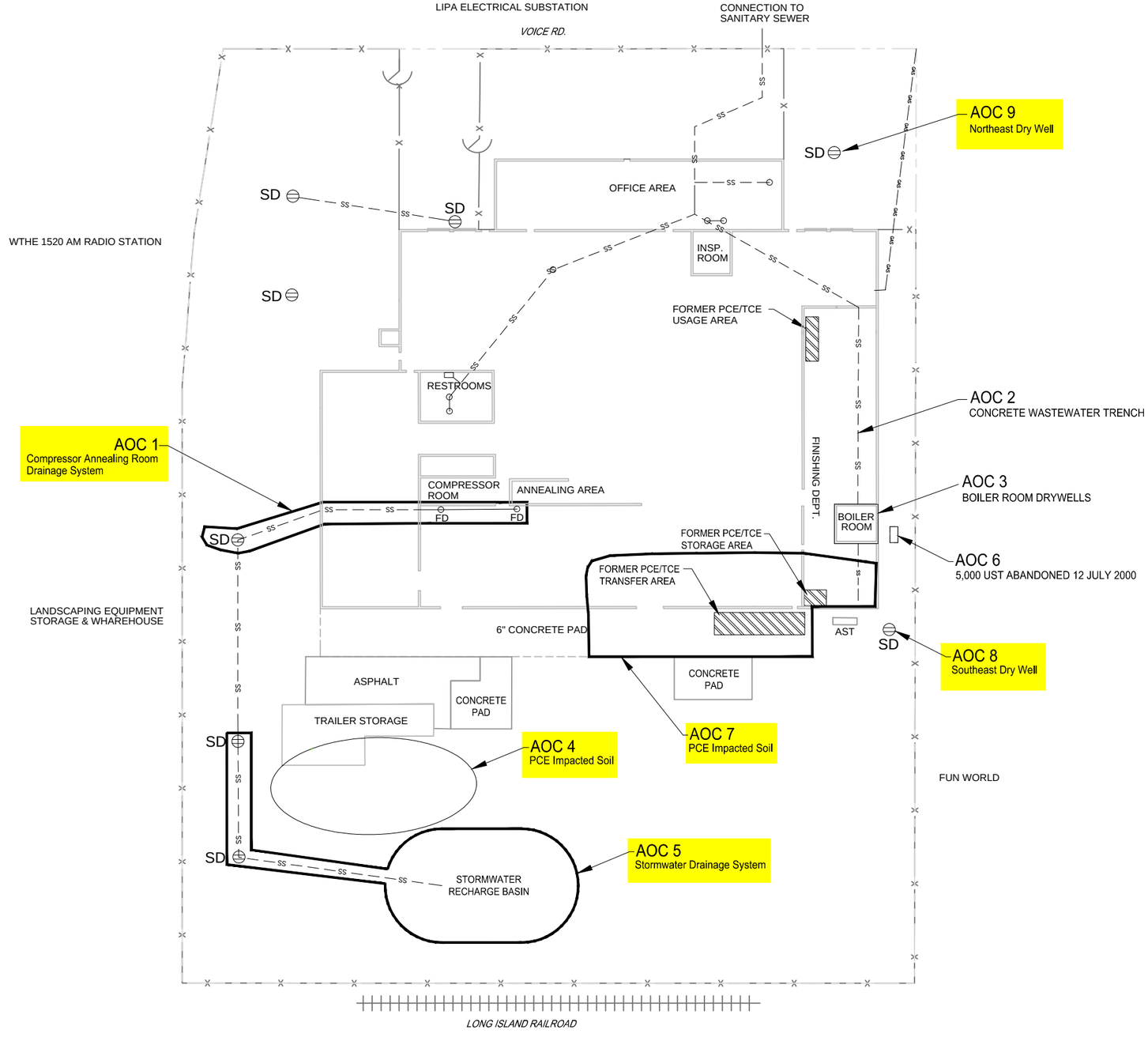


Figure 3-4
PCE Concentration vs. Time - Well MW-05





LEGEND

- PROPERTY LINE
- FENCE
- RAILROAD
- SUBSURFACE DRAINAGE
- STORM DRAIN/DRYWELL
- FLOOR DRAIN
- AOC REQUIRING REMEDIATION

0 60 120

GRAPHIC SCALE IN FEET

TITLE

Facililty Plan Showing AOCs Requiring Remediaiton

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Environmental Resources Management

FIGURE 7-1

DRAWN BY	SCALE	DATE	JOB NO.
EMF	GRAPHIC	05/28/13	0198956

R:\ScoutProjects\Superior Group - J&H, Carle Place NY\CAD\2013 - Remedial Investigation Report Addendum\CAD\2013-05-22 - Superior Group - Facility Plan- AOCs.dwg (05/28/2013 - 11:23am Melville)

Tables

Table 1-1
Summary of June 2012 NYSDEC RI Report Comments
Johnson and Hoffman Manufacturing Facility
Carle Place, New York

NYSDEC Comment #	Summary of Comment	How/Where Addressed in May 2013 RI Addendum
1	Include the names of Volunteers who entered into the Voluntary Cleanup Agreement and name the current property owner.	See Section 1.1.
2	Provide more detail regarding dissolution of J&H Manufacturing Corpo. in 2004 and the a new corporation with the same name.	See Section 1.1.
3	Clarify if the four 55-gallon drums of soil from the 1997 wastewater trench repair work were removed off-site or returned to the excavation.	See ERM response letter dated 27 August 2012 provided in Appendix A.
4	Add a sub-section that details the IRMs that have been implemented. Update Figure 1-5 to identify which AOCs require remedial actions and which AOCs no longer require remedial action due to IRM actions.	Section 2.8.1 describes the completed IRM for AOC 7. This is the only AOC where an IRM was performed. Figure 7-1 shows the AOCs that still require remedial action.
5	The RIR should include the former PCE/TCE Usage Area as an AOC based on the sub-slab soil vapor sample JH-SS-04 results.	See ERM response letter dated 27 August 2012 provided in Appendix A.
6	Soil Sampling for PCE Delineation: This section should be updated to include the post-excavation soil sampling results. Soil sample SB-11 exceeded the SCOGW for PCE. If additional soil sample was collected from the SB-11 soil boring location, please provide the results.	See ERM response letter dated 27 August 2012 provided in Appendix A regarding boring SB-11. Section 2.8.1 presents the AOC 7 post-remedial soil sampling results.
7	PAHs exceeded the GW Standards in MW-4. The storm drain located near MW-4 should be investigated. To determine if PAHs may be attributed to an off-site source, an off-site investigation at upgradient properties should be done.	See ERM response letter dated 27 August 2012 provided in Appendix A. Follow-up on-Site sampling of both soil and groundwater was performed and is reported in Sections 2.10 and 3.1.
8	The vertical extent of contamination at sample location SR-01 is not defined deeper than 8 feet below the base of the recharge basin.	See Section 2.6. Additional soil sampling was performed at SR-01 and PAHs were found to be below the SCOC and SCOGW at a depth of 9.0 feet below the bottom of the recharge basin.
9	Background soil sample BG-01 exceeds SCOC and SCOGW for total PCBs.	See Section 2.1. Additional soil samples were collected at this location and no PCBs were detected.
10	The RI Report should reflect the results of all soil vapor intrusion sampling events and discuss the modification of the SVE system to a sub-slab depressurization system.	Section 2.8.2 summarizes the results of vapor intrusion sampling conducted since July 2011. Section 2.8.3 specifcally discusses the change from soil vapor extraction to sub-slab depressurization.
11	Prior direction from NYSDOH regarding no further SVI sampling at Fun World was conditional upon no rebound effect occurring with the post-SVE termination sampling event. Please update the RI Report to include these results.	See Section 2.8.4.2.
12	Figure 3-3 should indicate the data in ug/kg and please verify that units of data are indicated on all figures.	Comment acknowledged. Similar figures in this document note the correct units of concentration.
13	In addition to above comments, ERM should verify that all comments provided in a letter dated April 24, 2009 by the Department have been addressed.	See ERM response letter dated 27 August 2012 provided in Appendix A.

TABLE 2-1
Background Soil Sample Results
J&H Site - Carle Place, NY

CONSTITUENT (ug/kg)	6NYCRR PART 375 Unrestricted SCO	6 NYCRR PART375 AND CP-51 COMMERCIAL SCO	BG-01 JB19935-1 10/23/2012 Primary	BG-01 JB19935-2 10/23/2012 Duplicate 1	BG-01 JB19935-3 10/23/2012 Primary
Starting Depth (ft)	-	-	0	0	0
Ending Depth (ft)	-	-	0.17	0.17	1
Aroclor 1016			110UJ	120UJ	120UJ
Aroclor 1221			110UJ	120UJ	120UJ
Aroclor 1232			110UJ	120UJ	120UJ
Aroclor 1242			110UJ	120UJ	120UJ
Aroclor 1248			110UJ	120UJ	120UJ
Aroclor 1254			110UJ	120UJ	120UJ
Aroclor 1260			110UJ	120UJ	120UJ
Aroclor-1262			110UJ	120UJ	120UJ
Aroclor-1268			110UJ	120UJ	120UJ
Total PCBs	100	1000	ND	ND	ND

Notes:
Exceedances of the Unrestricted Soil Cleanup Objective (SCO) are indicated with brackets.
U = Not detected at the indicated detection limit.
UJ = Not detected at the indicated detection limit. Detection limit is a quantitative estimate.
J = Analyte detected; value is a quantitative estimate.

TABLE 2-2

AOC 5 Recharge Basin Vertical Delineation Soil Sample Results

J&H Site - Carle Place, NY

CONSTITUENT (ug/kg)	6NYCRR PART 375 Unrestricted SCO	6 NYCRR PART375 AND CP-51 COMMERCIAL SCO	SR-01 JB23169-1 12/6/2012 Primary	SR-01 JB23169-6 12/6/2012 Duplicate 1	SR-01 JB23169-2 12/6/2012 Primary	SR-01 JB23169-3 12/6/2012 Primary	SR-01 JB23169-4 12/6/2012 Primary
Starting Depth (ft)	-	-	9	9	10	11	13
Ending Depth (ft)	-	-	9.5	9.5	10.5	11.5	13.5
Acenaphthene	20000	500000	33U	41U	31U	32U	41U
Acenaphthylene	100000	500000	33U	41U	31U	32U	41U
Anthracene	100000	500000	46.2	34.7J	31U	32U	41U
Benzo(a)anthracene	1000	5600	296	221	31U	32U	38.7J
Benzo(a)pyrene	1000	1000	366	278	31U	32U	41
Benzo(b)fluoranthene	1000	5600	488	360	31U	32U	57.6
Benzo(ghi)perylene	100000	500000	330	277	31U	32U	36.4J
Benzo(k)fluoranthene	800	56000	260	232	31U	32U	20.0J
Chrysene	1000	56000	455	358	31U	32U	50.2
Dibenzo(a,h)anthracene	330	560	95.3	73.4	31U	32U	41U
Fluoranthene	100000	500000	859	665	31U	32U	80.3
Fluorene	30000	500000	33U	41U	31U	32U	41U
Indeno(1,2,3-cd)pyrene	500	5600	288	238	31U	32U	30.5J
Naphthalene	12000	500000	33U	41U	31U	32U	41U
Phenanthrene	100000	500000	346	240	31U	32U	27.4J
Pyrene	100000	500000	667	494	31U	32U	64.3

Notes:

Exceedances of the Unrestricted Soil Cleanup Objective (SCO) are indicated with brackets.

U = Not detected at the indicated detection limit.

UJ = Not detected at the indicated detection limit. Detection limit is a quantitative estimate.

J = Analyte detected; value is a quantitative estimate.

TABLE 2-3
Soil Vapor Intrusion Sampling Results (July 2011 - March 2013)
J&H Site - Carle Place, NY

CONSTITUENT (ug/m3)	JH-IA-01 7/15/2011	JH-SS-01 7/15/2011	JH-SS-01 12/7/2011	JH-IA-01 2/10/2012	JH-SS-01 2/10/2012	JH-IA-01 12/17/2012	JH-SS-01 12/17/2012	JH-IA-01 3/12/2013	JH-SS-01 3/12/2013
1,1,1-Trichloroethane	0.22U	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1,2,2-Tetrachloroethane	0.27U	0.27U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
1,1,2-Trichloroethane	0.22U	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,1-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
1,2,4-Trimethylbenzene	0.98U	0.84J	0.98U	0.88J	0.98U	0.69J	7.4	7.9	8.8
1,2-Dibromoethane	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
1,2-Dichlorobenzene	0.24U	0.24U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,2-Dichloropropane	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
1,3,5-Trimethylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	1.8	1.5	2.2
1,3-Butadiene	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U
1,3-Dichlorobenzene	0.60U	0.60U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dichlorobenzene	0.9	0.60U	1.2U	0.66J	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dioxane	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.54J	0.72U
2,2,4-Trimethylpentane	0.93U	0.93U	0.93U	0.61J	0.47J	0.93U	0.93U	0.93U	0.93U
2-Butanone	2.5	3.5	1.5	1.1	1.3	2.4	1.8	3.2	2.9
2-Hexanone	0.82U	0.49J	0.82U	0.82U	0.82U	0.9	0.82U	0.82U	0.82U
3-Chloropropene	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U
4-Ethyltoluene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	1.7	0.79J	1.2
4-Methyl-2-Pentanone	3.4	0.82U	0.82U	0.82U	0.82U	0.82U	0.82U	0.66J	0.53J
Acetone	23.8	13	9.7	28.3	7.4	21	9.7	19	13
Benzene	0.38J	0.64U	0.64U	1.4	0.64U	1.1	0.61J	0.61J	0.42J
Benzyl chloride	1.0U	1.0U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U
Bromodichloromethane	0.27U	0.27U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Bromoethene	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U
Bromoform	0.41U	0.41U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Carbon Disulfide	0.62U	0.93	0.5J	0.62U	0.62U	0.62U	0.62U	0.62U	0.62U
Carbon Tetrachloride	0.25U	0.25U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Chlorobenzene	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
Chloroethane	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U
Chloroform	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
Chloromethane	1.3	0.39J	0.41U	1.2	0.41U	1.3	0.35J	1.2	0.41U
cis-1,2-Dichloroethene	0.79U	0.83	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
cis-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Cyclohexane	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U
Dibromochloromethane	0.34U	0.34U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
Dichlorodifluoromethane	2.3	2.5	2	2.4	2.2	2.8	2.9	2.2	2.2
Ethanol	127J	4	5.3	121J	6.6	174J	42.2	53.7	27.5
Ethylbenzene	1	0.78J	0.87U	0.61J	0.87U	0.52J	1.7	1.6	2.4
Freon 113	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
Freon 114	0.28U	0.28U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
Heptane	0.74J	0.82U	0.82U	0.61J	0.82U	1	0.45J	0.57J	0.53J
Hexachlorobutadiene	0.96U	0.96U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Hexane	0.60J	0.39J	0.7U	1	0.7U	0.92	0.53J	0.70U	0.39J
Isopropyl Alcohol	24	1.1	0.49U	25.8	0.81	43	28.3	17	12
Isopropylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
m+p-Xylene	3.9	3.2	0.87U	1.8	0.87U	1.5	6.5	6.1	9.6
Methyl Tertiary Butyl Ether	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
Methylene Chloride	0.87	0.87	0.69U	0.9	0.69U	3.8	1.5	0.9	1
n-Propylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
o-Xylene	1.3	1.2	0.87U	0.65J	0.87U	0.61J	2.6	2.5	3.6
Styrene	0.85U	4.7	0.85U	0.85U	0.85U	0.85U	0.47J	0.85U	0.51J
Tetrachloroethene	6.8	75.9	5.9	0.65	2.6	3.7	2.9	3.1	8.8
Tetrahydrofuran	0.59U	0.56J	0.59U	0.59U	0.59U	0.59U	1.4	1.1	1.2
Toluene	1.9	2.2	1.2	5.7	0.41J	2.8	19	6.4	11
trans-1,2-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
trans-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Trichloroethene	0.21U	4.3	0.7	0.21U	0.53	0.21U	0.7	0.21U	0.22
Trichlorofluoromethane	1.7	1.8	1.5	1.6	1.4	1.6	1.7	1.2	1.3
Vinyl chloride	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U
Xylene (total)	NT	NT	0.87U	2.5	0.87U	2.1	9.1	8.3	13

TABLE 2-3
Soil Vapor Intrusion Sampling Results (July 2011 - March 2013)
J&H Site - Carle Place, NY

CONSTITUENT (ug/m3)	JH-IA-02 7/15/2011	JH-SS-02 7/15/2011	JH-SS-02 12/7/2011	JH-IA-02 2/10/2012	JH-SS-02 2/10/2012	JH-IA-02 12/3/2012	JH-SS-02 12/3/2012	JH-IA-02 3/12/2013	JH-SS-02 3/12/2013
1,1,1-Trichloroethane	0.22U	0.22U	0.76J	1.1U	2.6	1.1U	1.1U	1.1U	4.1
1,1,2,2-Tetrachloroethane	0.27U	0.27U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
1,1,2-Trichloroethane	0.22U	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1-Dichloroethane	0.81U	0.81U	0.93	0.81U	0.81U	0.81U	0.57J	0.81U	0.81U
1,1-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
1,2,4-Trimethylbenzene	0.49J	1.3	0.98U	2.8	0.98U	3.9	3.6	13	17
1,2-Dibromoethane	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
1,2-Dichlorobenzene	0.24U	0.24U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,2-Dichloropropane	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
1,3,5-Trimethylbenzene	0.98U	0.98U	0.98U	0.84J	0.98U	1.3	1.1	3.5	4.4
1,3-Butadiene	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U
1,3-Dichlorobenzene	0.60U	0.60U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dichlorobenzene	154	221	5.5	2.4	2.6	1.2U	1.2U	1.2U	1.2U
1,4-Dioxane	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
2,2,4-Trimethylpentane	0.70J	0.93U	0.93U	1.4	0.7J	1.2	0.93U	0.61J	0.93U
2-Butanone	2.5	2.1	5.6	3.2	1.3	2.9	18	3.2	11
2-Hexanone	0.45J	0.82U	1.2	0.82U	0.82U	0.82U	1.2	0.82U	3.4
3-Chloropropene	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U
4-Ethyltoluene	0.98U	0.98U	0.98U	0.48J	0.98U	0.98	0.88J	2	2.2
4-Methyl-2-Pentanone	0.39J	0.82U	0.82U	0.41J	0.82U	0.70J	2	0.86	1.2
Acetone	22	13	28.5	211	11	41.6	71.3	72	14
Benzene	0.51J	0.64U	0.32J	1.8	0.64U	2	1.2	1.3	0.58J
Benzyl chloride	1.0U	1.0U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U
Bromodichloromethane	0.27U	0.27U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Bromoethene	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U
Bromoform	0.41U	0.41U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Carbon Disulfide	0.62U	0.62U	0.62U	0.62U	0.62U	0.62U	0.62U	0.62U	0.56J
Carbon Tetrachloride	0.25U	0.6	1.3U	1.3U	1.3U	1.3U	0.63J	1.3U	1.3U
Chlorobenzene	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
Chloroethane	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U
Chloroform	3.6	21	3.9	0.93J	3.5	0.98U	16	0.98U	2.5
Chloromethane	1.6	0.23J	0.27J	1.1	0.23J	0.93	0.39J	1.1	0.41U
cis-1,2-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
cis-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Cyclohexane	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U
Dibromochloromethane	0.34U	0.34U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
Dichlorodifluoromethane	2.5	2.2	3.4	2.6	4.9	2	2.5	2.2	7.4
Ethanol	47.7	2.3	5.5	177	11	67.1	71	103J	11
Ethylbenzene	0.87	4.8	0.43J	1.8	0.87U	1.7	1.4	4.8	3.2
Freon 113	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
Freon 114	0.28U	0.28U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
Heptane	0.53J	0.82U	0.82U	1.8	0.82U	1.1	0.70J	2.3	1.1
Hexachlorobutadiene	0.96U	0.96U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Hexane	0.63J	0.70U	0.7U	1.6	0.7U	1.9	0.99	0.95	0.70U
Isopropyl Alcohol	2.3	0.59	1.7	23	1	25.6	28.3	15	4.7
Isopropylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.54J	0.98U
m+p-Xylene	3.3	26	1.2	6.9	0.48J	6.5	5.2	19	15
Methyl Tertiary Butyl Ether	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
Methylene Chloride	0.97	0.69	8.7	0.8	1.4	1.3	1.9	0.73	0.8
n-Propylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
o-Xylene	1.2	11	0.87U	2.7	0.87U	2.6	2.1	6.9	5.6
Styrene	0.85U	0.85U	0.85U	1.2	0.85U	0.72J	0.60J	0.77J	0.68J
Tetrachloroethene	8.1	171	235	2.2	349	0.41	12	14	167
Tetrahydrofuran	0.59U	0.59U	0.59U	0.59U	0.59U	2.1	6.2	1.3	0.38J
Toluene	2.2	1.3	2.5	51.6	0.53J	21	17	23	12
trans-1,2-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
trans-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Trichloroethene	0.21U	15	15	0.23	17	0.21U	3.3	0.21U	13
Trichlorofluoromethane	1.6	1.7	2	1.6	2.4	1.2	2	1.2	1.7
Vinyl chloride	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U
Xylene (total)	NT	NT	1.2	9.6	0.48J	8.7	7.4	26	20

TABLE 2-3
Soil Vapor Intrusion Sampling Results (July 2011 - March 2013)
J&H Site - Carle Place, NY

CONSTITUENT (ug/m3)	JH-IA-03 7/15/2011	JH-SS-03 7/15/2011	JH-SS-03 12/7/2011	JH-IA-03 2/10/2012	JH-SS-03 2/10/2012	JH-IA-03 12/3/2012	JH-SS-03 12/3/2012	JH-IA-03 3/12/2013	JH-SS-03 3/12/2013
1,1,1-Trichloroethane	0.22U	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1,2,2-Tetrachloroethane	0.27U	0.27U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
1,1,2-Trichloroethane	0.22U	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,1-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
1,2,4-Trimethylbenzene	0.69J	0.98U	0.98U	2.3	5.9	0.98U	3.2	1.3	11
1,2-Dibromoethane	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
1,2-Dichlorobenzene	0.24U	0.24U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,2-Dichloropropane	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
1,3,5-Trimethylbenzene	0.98U	0.98U	0.98U	0.84J	2.3	0.98U	0.98	0.54J	2.6
1,3-Butadiene	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U
1,3-Dichlorobenzene	0.60U	0.60U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dichlorobenzene	1.6	0.72	1.2U	0.66J	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dioxane	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
2,2,4-Trimethylpentane	0.70J	0.93U	0.93U	1.2	0.89J	0.47J	0.93U	0.93U	0.93U
2-Butanone	5	2.9	1	4.4	20	6.8	15	2.4	9.4
2-Hexanone	1.3	0.82U	0.82U	0.82U	0.82U	0.82U	0.78J	0.82U	0.82U
3-Chloropropene	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U
4-Ethyltoluene	0.98U	0.98U	0.98U	0.59J	1.8	0.98U	0.79J	0.98U	1.3
4-Methyl-2-Pentanone	0.66J	0.82U	0.82U	0.49J	0.82U	0.82U	1.1	0.82U	0.82U
Acetone	42.3	15	6.9	177	114	42	40.1	48.9	26.1
Benzene	0.48J	0.89	0.45J	1.9	1.1	1.3	1.2	0.61J	0.64
Benzyl chloride	1.0U	1.0U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U
Bromodichloromethane	0.27U	0.27U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Bromoethene	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U
Bromoform	0.41U	0.41U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Carbon Disulfide	0.62U	0.31J	0.31J	0.62U	0.62U	0.62U	0.62U	0.62U	0.62U
Carbon Tetrachloride	0.25U	0.25U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Chlorobenzene	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
Chloroethane	0.26J	0.45J	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U
Chloroform	0.98U	0.83J	0.49J	1.2	0.83J	0.54J	0.98U	0.98U	0.68J
Chloromethane	3.9	0.31J	0.41U	1.1	0.5	0.87	0.52	1.3	0.41U
cis-1,2-Dichloroethene	0.79U	16	10	0.79U	6.7	0.79U	3.3	0.79U	11
cis-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Cyclohexane	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U
Dibromochloromethane	0.34U	0.34U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
Dichlorodifluoromethane	2.3	2	2.7	2.3	5.4	1.9	2.3	2.4	3.4
Ethanol	22.4	1.6	6	54.1	104	53.9	46	53.7	31.5
Ethylbenzene	1.3	0.87U	0.87U	1.7	1.1	0.87U	1.7	0.42J	3
Freon 113	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
Freon 114	0.28U	0.28U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
Heptane	0.98	0.82U	0.82U	1.4	0.74J	0.82U	0.94	0.49J	0.66J
Hexachlorobutadiene	0.96U	0.96U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Hexane	0.74	0.95	0.7U	1.6	0.7	1.1	1.1	0.46J	0.35J
Isopropyl Alcohol	3.2	0.49U	0.49	5.2	22	21	17	4.9	8.1
Isopropylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
m+p-Xylene	4.8	0.74J	0.87U	6.1	4.3	0.87U	4.8	1.6	11
Methyl Tertiary Butyl Ether	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
Methylene Chloride	3.2	1.3	1.6	0.8	0.83	1	0.87	0.97	0.87
n-Propylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
o-Xylene	1.9	0.87U	0.87U	2.4	1.7	0.87U	1.8	0.69J	4.2
Styrene	0.85U	0.85U	0.47J	1.2	0.55J	0.85U	0.60J	0.85U	0.51J
Tetrachloroethene	69.8	997	339	2.5	133	1.1	42	1.7	359
Tetrahydrofuran	0.91	1.1	0.59U	0.59U	8.3	5.3	15	0.59	5.3
Toluene	1.8	2	0.94	64.4	26	3.7	81	1	38.1
trans-1,2-Dichloroethene	0.79U	0.40J	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
trans-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Trichloroethene	0.54	70.4	40	0.21	19	0.21U	9.7	0.21U	32
Trichlorofluoromethane	1.8	1.7	1.5	1.5	1.9	1.1	1.3	1.3	2.9
Vinyl chloride	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U
Xylene (total)	NT	NT	0.87U	8.7	6.1	0.87U	6.5	2.3	15

TABLE 2-3
Soil Vapor Intrusion Sampling Results (July 2011 - March 2013)
J&H Site - Carle Place, NY

CONSTITUENT (ug/m3)	JH-IA-04 7/15/2011	JH-SS-04 7/15/2011	JH-SS-04 12/7/2011	JH-IA-04 2/10/2012	JH-SS-04 2/10/2012	JH-IA-04 12/17/2012	JH-SS-04 12/17/2012	JH-IA-04 3/12/2013	JH-SS-04 3/12/2013
1,1,1-Trichloroethane	0.22U	0.6	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1,2,2-Tetrachloroethane	0.27U	0.27U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
1,1,2-Trichloroethane	0.22U	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,1-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
1,2,4-Trimethylbenzene	0.98U	1.2	0.98U	2.6	9.3	0.98U	3.9	1.5	15
1,2-Dibromoethane	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
1,2-Dichlorobenzene	0.24U	0.24U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,2-Dichloropropane	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
1,3,5-Trimethylbenzene	0.98U	0.98U	0.98U	0.88J	3.5	0.98U	1.5	0.49J	3.1
1,3-Butadiene	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U
1,3-Dichlorobenzene	0.60U	0.60U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dichlorobenzene	0.60U	0.6	1.2U	0.59J	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dioxane	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
2,2,4-Trimethylpentane	0.47J	0.93U	0.93U	1	1	2.5	0.56J	0.93U	0.93U
2-Butanone	1.2	116	2.3	4.1	24	0.59U	2.9	0.86	2.6
2-Hexanone	0.82U	5.7	0.82U	0.82U	0.82U	0.82U	42.9	0.82U	0.82U
3-Chloropropene	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U
4-Ethyltoluene	0.98U	0.98U	0.98U	0.54J	2.9	0.98U	1.1	0.98U	1.6
4-Methyl-2-Pentanone	0.82U	3.1	0.82U	0.41J	0.82U	0.82U	1.1	0.82U	0.82U
Acetone	12	539	11	157	207	7.6	33.7	23	26.8
Benzene	0.61J	6.1	0.86	1.6	1.1	0.7	1.3	0.54J	0.83
Benzyl chloride	1.0U	1.0U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U
Bromodichloromethane	0.27U	0.27U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Bromoethene	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U
Bromoform	0.41U	0.41U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Carbon Disulfide	0.62U	4.4	0.34J	0.62U	0.62U	0.62U	0.62U	0.62U	0.62U
Carbon Tetrachloride	0.25U	0.25U	1.3U	1.3U	1.3U	0.62J	1.3U	1.3U	1.3U
Chlorobenzene	0.92U	0.92U	0.83J	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
Chloroethane	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U
Chloroform	0.98U	3.7	1.6	1.2	1.8	0.78J	1	0.98U	0.83J
Chloromethane	1.1	0.43	0.23J	0.99	0.29J	1.2	0.54	1.1	0.72
cis-1,2-Dichloroethene	0.79U	3.6	1.7	0.79U	2.9	0.79U	1.1	0.79U	0.91
cis-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Cyclohexane	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U
Dibromochloromethane	0.34U	0.34U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
Dichlorodifluoromethane	2.1	2.1	2.5	2.1	2.3	3.2	2.8	2.2	2.4
Ethanol	47.3	9	3.2	89.5	213	30	41.1	36.9	39.9
Ethylbenzene	0.61J	4.2	0.87U	1.6	1.7	0.87U	3	1.1	7.4
Freon 113	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
Freon 114	0.28U	0.28U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
Heptane	0.82U	3	0.82U	0.98	0.74J	0.82U	18	0.40J	0.98
Hexachlorobutadiene	0.96U	0.96U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Hexane	0.42J	4.2	0.7U	1.4	0.56J	25	1.8	0.63J	1.1
Isopropyl Alcohol	3.4	6.1	0.59	11	30.7	4.2	31.2	7.6	12
Isopropylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
m+p-Xylene	2	7.8	0.74J	5.6	6.9	0.96	7.8	4.1	16
Methyl Tertiary Butyl Ether	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
Methylene Chloride	1.4	0.87	0.94	1.1	0.94	15	3	3.5	1.8
n-Propylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
o-Xylene	0.69J	2.9	0.87U	2.2	2.8	0.87U	3	1.5	6.1
Styrene	0.85U	2	0.85U	1.1	0.98	0.85U	0.68J	0.85U	0.68J
Tetrachloroethene	16	4200	623	2	220	0.37	243	1.4	216
Tetrahydrofuran	0.59U	6.5	0.62	0.59U	12	0.59U	1.6	0.59U	0.8
Toluene	1.8	7.5	1.2	53.1	32	1.2	106	1.3	231
trans-1,2-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
trans-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Trichloroethene	0.21U	435	118	0.19J	76.3	0.21U	66.1	0.21U	40
Trichlorofluoromethane	1.5	1.6	1.4	1.6	1.3	5.6	1.8	1.3	1.7
Vinyl chloride	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U
Xylene (total)	NT	NT	0.74J	7.8	9.6	0.96	11	5.6	21

TABLE 2-3
Soil Vapor Intrusion Sampling Results (July 2011 - March 2013)
J&H Site - Carle Place, NY

CONSTITUENT (ug/m3)	JH-IA-05 7/15/2011	JH-SS-05 7/15/2011	JH-SS-05 12/7/2011	JH-IA-05 2/10/2012	JH-SS-05 2/10/2012	JH-IA-05 12/3/2012	JH-SS-05 12/3/2012	JH-IA-05 3/12/2013	JH-SS-05 3/12/2013
1,1,1-Trichloroethane	0.22U	0.71	1.1	1.1U	8.2	1.1U	1.1U	1.1U	5
1,1,2,2-Tetrachloroethane	0.27U	0.27U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
1,1,2-Trichloroethane	0.22U	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.53J
1,1-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
1,2,4-Trimethylbenzene	19	0.64J	0.74J	1	7.4	2.6	2.4	0.98	12
1,2-Dibromoethane	0.31U	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
1,2-Dichlorobenzene	0.24U	0.24U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,2-Dichloropropane	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
1,3,5-Trimethylbenzene	5.9	0.98U	0.98U	0.98U	2.7	0.79J	0.74J	0.98U	2.5
1,3-Butadiene	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U
1,3-Dichlorobenzene	0.60U	0.60U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dichlorobenzene	0.84	0.60U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dioxane	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
2,2,4-Trimethylpentane	0.51J	0.93U	0.93U	0.56J	0.56J	0.75J	0.93U	0.93U	0.93U
2-Butanone	14	3.8	1.2	1.5	15	2.8	3.2	1.1	2.3
2-Hexanone	0.41J	0.41J	0.82U	0.82U	0.82U	0.82U	0.82U	0.82U	0.82U
3-Chloropropene	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U
4-Ethyltoluene	2.8	0.98U	0.98U	0.98U	2.5	0.74J	0.69J	0.98U	1.2
4-Methyl-2-Pentanone	0.82U	0.82U	0.82U	0.82U	0.82U	0.49J	0.66J	0.82U	0.82U
Acetone	48.2	22	8.8	22	175	14	10	5.2	9.3
Benzene	0.58J	0.38J	0.51J	1.2	0.7	1.3	0.58J	0.35J	0.58J
Benzyl chloride	1.0U	1.0U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U
Bromodichloromethane	0.27U	0.27U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Bromoethene	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U
Bromoform	0.41U	0.41U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Carbon Disulfide	0.62U	0.81	0.62	0.62U	0.62U	0.62U	0.62U	0.62U	0.59J
Carbon Tetrachloride	0.25U	0.25U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Chlorobenzene	0.92U	0.92U	0.44J	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
Chloroethane	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U
Chloroform	0.98U	0.54J	0.98U	0.98U	0.59J	0.98U	0.98U	0.98U	0.63J
Chloromethane	1.6	0.83	0.41	0.95	0.27J	0.87	0.41U	1.2	0.41U
cis-1,2-Dichloroethene	0.79U	27	20	0.79U	76.1	0.79U	5.9	0.79U	412
cis-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Cyclohexane	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U
Dibromochloromethane	0.34U	0.34U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
Dichlorodifluoromethane	2.2	2.2	2.8	1.9	2.5	2.1	2.2	2.3	2
Ethanol	29.4	4.9	20.3	17	77.6	22	21.5	2.4	18
Ethylbenzene	1.9	0.87U	0.43J	0.61J	0.96	1.1	1	0.87U	3.6
Freon 113	0.31U	0.31U	1.5U	1.5U	0.92J	1.5U	1.5U	1.5U	1.5U
Freon 114	0.28U	0.28U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
Heptane	0.61J	0.82U	0.82U	0.45J	0.49J	0.74J	0.53J	0.82U	0.57J
Hexachlorobutadiene	0.96U	0.96U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Hexane	0.60J	0.34J	1.1	0.92	0.39J	1.1	0.70U	0.70U	0.99
Isopropyl Alcohol	6.1	1.1	1.5	2.4	23	14	12	0.49U	5.7
Isopropylbenzene	0.74J	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
m+p-Xylene	7.4	1.1	1.2	1.9	3.5	3.9	3.3	0.48J	10
Methyl Tertiary Butyl Ether	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
Methylene Chloride	0.83	0.8	6.9	1	0.69U	1.6	1.3	0.66J	2.2
n-Propylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
o-Xylene	3.4	0.87U	0.87U	0.78J	1.7	1.5	1.3	0.87U	3.8
Styrene	6.8	0.85U	4	3.3	2.1	1.5	1.5	3.4	1.2
Tetrachloroethene	42	1040	698	1.4	1480	0.35	183	2.1	3380
Tetrahydrofuran	0.59U	2	0.59U	0.59U	7.1	2.5	3.2	0.59U	0.83
Toluene	2.4	1.3	1.9	4.5	7.2	12	23	0.45J	71.6
trans-1,2-Dichloroethene	0.79U	2.5	2.8	0.79U	11	0.79U	0.91	0.79U	20
trans-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Trichloroethene	0.75	28	23	0.21U	67.2	0.21U	7.5	0.21	215
Trichlorofluoromethane	1.5	1.6	2.4	1.5	1.6	1.2	1.3	1.2	1.2
Vinyl chloride	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U
Xylene (total)	NT	NT	1.2	2.7	5.2	5.2	4.8	0.48J	14

TABLE 2-3
Soil Vapor Intrusion Sampling Results (July 2011 - March 2013)
J&H Site - Carle Place, NY

CONSTITUENT (ug/m3)	JH-OA-01 7/15/2011	JH-OA-01 12/7/2011	JH-OA-01 2/10/2012	JH-OA-01 12/3/2012	JH-OA-01 12/17/2012	JH-OA-01 3/12/2013
1,1,1-Trichloroethane	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1,2,2-Tetrachloroethane	0.27U	1.4U	1.4U	1.4U	1.4U	1.4U
1,1,2-Trichloroethane	0.22U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,1-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
1,2,4-Trimethylbenzene	0.47J	0.49J	0.98U	0.64J	0.54J	0.98U
1,2-Dibromoethane	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U
1,2-Dichlorobenzene	0.24U	1.2U	1.2U	1.2U	1.2U	1.2U
1,2-Dichloroethane	0.81U	0.81U	0.81U	0.81U	0.81U	0.81U
1,2-Dichloropropane	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
1,3,5-Trimethylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
1,3-Butadiene	0.44U	0.44U	0.44U	0.44U	0.44U	0.44U
1,3-Dichlorobenzene	0.60U	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dichlorobenzene	0.60U	1.2U	1.2U	1.2U	1.2U	1.2U
1,4-Dioxane	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
2,2,4-Trimethylpentane	0.70J	0.51J	0.51J	0.51J	0.47J	0.93U
2-Butanone	1.7	1.3	1.4	1.1	0.68	17
2-Hexanone	0.82U	0.82U	0.82U	0.82U	0.82U	0.82U
3-Chloropropene	0.63U	0.63U	0.63U	0.63U	0.63U	0.63U
4-Ethyltoluene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
4-Methyl-2-Pentanone	0.82U	0.82U	0.82U	0.82U	0.82U	0.82U
Acetone	14	8.6	16	8.8	5.5	16
Benzene	0.35J	1.1	1.3	0.99	1.2	0.35J
Benzyl chloride	1.0U	1U	1U	1.0U	1.0U	1.0U
Bromodichloromethane	0.27U	1.3U	1.3U	1.3U	1.3U	1.3U
Bromoethene	0.87U	0.87U	0.87U	0.87U	0.87U	0.87U
Bromoform	0.41U	2.1U	2.1U	2.1U	2.1U	2.1U
Carbon Disulfide	0.62U	0.62U	0.62U	0.62U	0.62U	0.62U
Carbon Tetrachloride	0.25U	1.3U	1.3U	1.3U	1.3U	1.3U
Chlorobenzene	0.92U	0.92U	0.92U	0.92U	0.92U	0.92U
Chloroethane	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U
Chloroform	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
Chloromethane	1.1	1.3	1.1	0.93	1.2	1.2
cis-1,2-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
cis-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Cyclohexane	0.69U	0.69U	0.69U	0.69U	0.69U	0.69U
Dibromochloromethane	0.34U	1.7U	1.7U	1.7U	1.7U	1.7U
Dichlorodifluoromethane	2.2	2.6	2.4	2.4	2.8	2.3
Ethanol	5.7	6.8	17	17	6.2	3.2
Ethylbenzene	0.41J	0.87U	0.48J	0.42J	0.65J	0.87U
Freon 113	0.31U	1.5U	1.5U	1.5U	1.5U	1.5U
Freon 114	0.28U	1.4U	1.4U	1.4U	1.4U	1.4U
Heptane	0.82U	0.41J	0.41J	0.40J	0.82U	0.82U
Hexachlorobutadiene	0.96U	2.1U	2.1U	2.1U	2.1U	2.1U
Hexane	0.42J	0.85	0.88	1.2	1.4	0.70U
Isopropyl Alcohol	1.9	1.9	2.4	1.8	1.7	0.79
Isopropylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
m+p-Xylene	1.3	1.2	1.3	1.4	2.4	0.87U
Methyl Tertiary Butyl Ether	0.72U	0.72U	0.72U	0.72U	0.72U	0.72U
Methylene Chloride	0.69	2	0.8	5.2	11	0.8
n-Propylbenzene	0.98U	0.98U	0.98U	0.98U	0.98U	0.98U
o-Xylene	0.48J	0.48J	0.48J	0.48J	0.78J	0.87U
Styrene	0.85U	0.85U	0.85U	0.85U	0.85U	0.85U
Tetrachloroethene	6	4.8	0.4	0.33	12	0.56
Tetrahydrofuran	0.59U	0.59U	0.59U	0.59U	0.59U	9.4
Toluene	3.6	3	2.3	2.4	92.7	0.53J
trans-1,2-Dichloroethene	0.79U	0.79U	0.79U	0.79U	0.79U	0.79U
trans-1,3-Dichloropropene	0.91U	0.91U	0.91U	0.91U	0.91U	0.91U
Trichloroethene	0.21U	0.21U	0.21U	0.21U	0.22	0.21U
Trichlorofluoromethane	1.6	1.5	1.5	2	1.7	1.1
Vinyl chloride	0.51U	0.51U	0.51U	0.51U	0.51U	0.51U
Xylene (total)	NT	1.7	1.8	1.9	3.2	0.87U

TABLE 2-3
Soil Vapor Intrusion Sampling Results (July 2011 - March 2013)
J&H Site - Carle Place, NY

Notes:
U = Not detected at the indicated detection limit.
UJ = Not detected at the indicated detection limit. Detection limit is a quantitative estimate.
J = Analyte detected; value is a quantitative estimate.

TABLE 2-4
Fun World Soil Gas Sampling Results
J&H Site - Carle Place, NY

CONSTITUENT (ug/m3)	JH-OSV-01 12/7/2011	SV-01 3/2/2006
1,1,1-Trichloroethane	0.71J	3.7U
1,1,2,2-Tetrachloroethane	1.4U	4.7U
1,1,2-Trichloroethane	1.1U	3.7U
1,1-Dichloroethane	0.81U	2.8U
1,1-Dichloroethene	0.79U	2.7U
1,2,4-Trichlorobenzene	NT	25UJ
1,2,4-Trimethylbenzene	0.98U	38J
1,2-Dibromoethane	1.5U	5.2U
1,2-Dichlorobenzene	1.2U	4.1UJ
1,2-Dichloroethane	0.81U	2.8U
1,2-Dichloropropane	0.92U	3.2U
1,3,5-Trimethylbenzene	0.98U	16
1,3-Butadiene	0.44U	7.6U
1,3-Dichlorobenzene	1.2U	4.1U
1,4-Dichlorobenzene	1.2U	4.1U
1,4-Dioxane	0.72U	12U
2,2,4-Trimethylpentane	0.93U	NT
2-Butanone	1.1	10U
2-Hexanone	0.82U	14U
3-Chloropropene	0.63U	NT
4-Ethyltoluene	0.98U	29J
4-Methyl-2-Pentanone	0.82U	14U
Acetone	10	16
Benzene	0.64U	2.2U
Benzyl chloride	1U	3.5U
Bromodichloromethane	1.3U	23U
Bromoethene	0.87U	NT
Bromoform	2.1U	35U
Bromomethane	NT	2.6U
Carbon Disulfide	0.62U	11U
Carbon Tetrachloride	1.3U	4.3U
Chlorobenzene	0.92U	3.1U
Chloroethane	0.53U	1.8U
Chloroform	4.8	3.3U
Chloromethane	0.41U	1.4U
cis-1,2-Dichloroethene	0.79U	2.7U
cis-1,3-Dichloropropene	0.91U	3.1U
Cyclohexane	0.69U	12U
Dibromochloromethane	1.7U	29U
Dichlorodifluoromethane	2.8	3.4U
Ethanol	2.8	6.4U
Ethylbenzene	0.87U	4.8
Freon 113	1.5U	5.2UJ
Freon 114	1.4U	4.8U
Heptane	0.82U	14U
Hexachlorobutadiene	2.1U	36U
Hexane	0.7U	12U
Isopropyl Alcohol	0.74	8.4U
Isopropylbenzene	0.98U	17U
m+p-Xylene	0.87U	24
Methyl Tertiary Butyl Ether	0.72U	12UJ
Methylene Chloride	0.69U	4.8U
n-Propylbenzene	0.98U	17U
o-Xylene	0.87U	22
Styrene	0.85U	2.9U
Tetrachloroethene	40	1400
Tetrahydrofuran	0.59U	10U
Toluene	3.5	2.8
trans-1,2-Dichloroethene	0.79U	14U
trans-1,3-Dichloropropene	0.91U	3.1UJ
Trichloroethene	1.7	40
Trichlorofluoromethane	1.6	3.8U
Vinyl chloride	0.51U	1.7U
Xylene (total)	0.87U	NT

TABLE 2-4
Fun World Soil Gas Sampling Data
J&H Site - Carle Place, NY

Notes:
U = Not detected at the indicated detection limit.
UJ = Not detected at the indicated detection limit. Detection limit is a quantitative estimate.
J = Analyte detected; value is a quantitative estimate.

Table 2-5
AOC 9 Soil Sampling Results
J&H Site - Carle Place, NY

CONSTITUENT (ug/kg)	6NYCRR PART 375 Unrestricted SCO	6NYCRR PART 375 AND CP-51 COMMERCIAL SCO	DW-01 JB27538-2 1/28/2013 Primary	DW-01 JB27538-3 1/28/2013 Primary	DW-01 JB27538-4 1/28/2013 Primary	DW-01 JB27538-6 1/28/2013 Duplicate 1	DW-01 JB27538-5 1/28/2013 Primary
Starting Depth (ft)	-	-	0	4	9	9	14
Ending Depth (ft)	-	-	1	5	10	10	15
Acenaphthene	20000	500000	6200	35U	33U	35U	32U
Acenaphthylene	100000	500000	1020	35U	33U	35U	32U
Anthracene	100000	500000	12000	35U	16.0J	35U	32U
Benzo(a)anthracene	1000	5600	[53300]	26.5J	102J	21.0J	31.9J
Benzo(a)pyrene	1000	1000	[50600]	26.0J	101J	16.4J	32.1
Benzo(b)fluoranthene	1000	5600	[63600]	32.0J	126J	18.6J	40.9
Benzo(ghi)perylene	100000	500000	33200	19.5J	70.8J	15.9J	32.3
Benzo(k)fluoranthene	800	56000	[40600]	27.4J	78.2J	25.4J	23.7J
Chrysene	1000	56000	[69100]	40.3	148J	29.2J	43.5
Dibenzo(a,h)anthracene	330	560	[12100]	35U	27.4J	35UJ	32U
Fluoranthene	100000	500000	[171000]	67.8	326J	45.5J	100
Fluorene	30000	500000	7140	35U	33U	35U	32U
Indeno(1,2,3-cd)pyrene	500	5600	[33300]	18.2J	62.6J	14.5J	26.4J
Naphthalene	12000	500000	916	35U	33U	35U	32U
Phenanthrene	100000	500000	[121000]	31.7J	164J	27.9J	54.3
Pyrene	100000	500000	[125000]	53	232J	42.3	69.6

Notes:
Exceedances of the Unrestricted Soil Cleanup Objective (SCO) are indicated with brackets.
U = Not detected at the indicated detection limit.
UJ = Not detected at the indicated detection limit. Detection limit is a quantitative estimate.
J = Analyte detected; value is a quantitative estimate.

Table 3-1
2012 Groundwater Sampling Results - PAHs
J&H Site - Carle Place, NY

CONSTITUENT (ug/l)	NYSDEC TOGS	MW-04 JB19935-5 10/23/2012 Primary	MW-04 JB19935-6 10/23/2012 Duplicate 1	MW-04 JB23169-7 12/6/2012 Primary	MW-04 JB23169-8 12/6/2012 Duplicate 1
Acenaphthene	20	0.10UJ	0.10UJ	0.10UJ	0.10UJ
Acenaphthylene		0.10UJ	0.10UJ	0.10UJ	0.10UJ
Anthracene	50	0.10UJ	0.10UJ	0.10UJ	0.10UJ
Benzo(a)anthracene	0.002	0.10UJ	0.10UJ	[0.121]J	[0.169]J
Benzo(a)pyrene	ND	0.10UJ	0.10UJ	0.167J	0.262J
Benzo(b)fluoranthene	0.002	0.10UJ	0.10UJ	[0.291]J	[0.478]J
Benzo(ghi)perylene		0.10UJ	0.10UJ	0.166J	0.251J
Benzo(k)fluoranthene	0.002	0.10UJ	0.10UJ	[0.132]J	[0.189]J
Chrysene	0.002	0.10UJ	0.10UJ	[0.178]J	[0.287]J
Dibenzo(a,h)anthracene	NT	0.10UJ	0.10UJ	0.10UJ	0.10UJ
Fluoranthene	50	0.123J	0.114J	0.294J	0.469J
Fluorene	50	0.10UJ	0.10UJ	0.10UJ	0.10UJ
Indeno(1,2,3-cd)pyrene	0.002	0.10UJ	0.10UJ	[0.147]J	[0.233]J
Naphthalene	10	0.10UJ	0.10UJ	0.10UJ	0.10UJ
Phenanthrene	50	0.10UJ	0.10UJ	0.10UJ	0.146J
Pyrene	50	0.137J	0.10UJ	0.255J	0.396J

Notes:
Exceedances of the NYSDEC TOGS are indicated with brackets and highlights.
U = Not detected at the indicated detection limit.
UJ = Not detected at the indicated detection limit. Detection limit is a quantitative estimate.
J = Analyte detected; value is a quantitative estimate.

Table 3-2
2013 Groundwater Sampling Results - VOCs
J&H Site - Carle Place, NY

CONSTITUENT (ug/l)	NYSDEC TOGS	MW-01 JB29821-1 2/25/2013 Primary	MW-02 JB29428-1 2/20/2013 Primary	MW-02 JB29428-5 2/20/2013 Duplicate 1	MW-03 JB29428-2 2/20/2013 Primary	MW-04 JB29428-3 2/20/2013 Primary	MW-05 JB29428-4 2/20/2013 Primary
1,1,1-Trichloroethane	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1,2,2-Tetrachloroethane	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1,2-Trichloroethane	1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-Dichloroethane	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,1-Dichloroethene	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2,3-Trichlorobenzene	5	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
1,2,4-Trichlorobenzene	5	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
1,2-Dibromo-3-chloropropane	0.04	10U	10U	10U	10U	10U	10U
1,2-Dibromoethane	0.0006	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U
1,2-Dichlorobenzene	3	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-Dichloroethane	0.6	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2-Dichloropropane	1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,3-Dichlorobenzene	3	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-Dichlorobenzene	3	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,4-Dioxane		130U	130U	130U	130U	130U	130U
2-Butanone	50	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ
2-Hexanone	50	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
4-Methyl-2-Pentanone		5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Acetone	50	10U	10U	10U	10U	10U	10U
Benzene	1	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Bromochloromethane	5	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Bromodichloromethane	50	1.0U	1.0U	1.0U	1.0U	1.4	1.0U
Bromoform	50	4.0U	4.0U	4.0U	4.0U	0.86J	4.0U
Bromomethane	5	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U
Carbon Disulfide	60	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U
Carbon Tetrachloride	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chlorobenzene	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroethane	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Chloroform	7	1.0U	1.0U	1.0U	1.0U	1.1	1.0U
Chloromethane	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
cis-1,2-Dichloroethene	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
cis-1,3-Dichloropropene	0.4	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cyclohexane		5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Dibromochloromethane	50	1.0U	1.0U	1.0U	1.0U	1.7	1.0U
Dichlorodifluoromethane	5	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Ethylbenzene	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Freon 113	5	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Isopropylbenzene	5	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U
m+p-Xylene	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Methyl Acetate		5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Methyl Cyclohexane		5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Methyl Tertiary Butyl Ether	10	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Methylene Chloride	5	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U
o-Xylene	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Styrene	5	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Tetrachloroethene	5	[13.3]	2.2	2.2	1.0U	1.0U	1.4
Toluene	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
trans-1,2-Dichloroethene	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
trans-1,3-Dichloropropene	0.4	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene	5	0.47J	1.0U	1.0U	1.0U	1.0U	1.0U
Trichlorofluoromethane	5	5.0U	5.0U	5.0U	5.0U	5.0U	5.0U
Vinyl chloride	2	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Xylene (total)	5	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U

Notes:
Exceedances of the NYSDEC TOGS are indicated with brackets and highlights.
U = Not detected at the indicated detection limit.
UJ = Not detected at the indicated detection limit. Detection limit is a quantitative estimate.
J = Analyte detected; value is a quantitative estimate.

Appendix A

Pertinent Correspondence

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region One
Stony Brook University
50 Circle Road, Stony Brook, New York 11790 - 3409
Phone: (631) 444-0240 • **FAX:** (631) 444-0248
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

April 24, 2009

Michael Teetsel
Environmental Resources Management
520 Broad Hollow road, Suite 210
Melville, New York 11747

Re: Site Investigation Report
Johnson & Hoffman Manufacturing Site No. V-00684

Dear Mr. Teetsel:

The New York State Departments of Environmental Conservation (Department) and Health (NYSDOH) have reviewed the Site Investigation Report for the Johnson & Hoffman Manufacturing Site and offer the following comments.

General Comments:

1. Please clarify the direction of groundwater flow as the text indicates it flows towards the southwest while figures indicate the flow is to the southeast.

2. Although the buildings further downgradient of the groundwater plume do not appear to be impacted by soil vapor intrusion (SVI) from the Johnson and Hoffman site, additional SVI evaluation off-site is necessary in buildings that are closer to the site.

3. The detection limits in groundwater samples were often above groundwater standards (particularly for PAHs). Additional characterization of groundwater is needed to determine if groundwater is impacted. The detection limits of PAH's in groundwater samples should be below the New York State Ambient Groundwater Quality Standards.

4. Define the nature and extent of contamination, both areally and vertically in all areas of concerns. At the completion of the site investigation, ERM should submit a final site investigation report. After approval of the final site investigation report by the Department, ERM should prepare and submit a draft remedial action work plan to the Department for review and approval.

Specific Comments:

5. Section 1.3.3 Environmental Due Diligence Review; second to last bullet: It is unlikely that 7,500 mg/kg of petroleum hydrocarbons in a surface soil sample collected from the bottom of the recharge basin is solely attributable to normal vehicular traffic in the parking lot. Drywells SWCB-02 and –03 each drain to the recharge basin, and are contaminated with PAHs above commercial and groundwater comparison values. The area where they discharge is more heavily contaminated than the rest of the recharge basin, indicating the drywells as the source of this contamination. This bullet should be revised to reflect this.

6. Section 3.2 Screening Level Soil Gas Survey: All air sampling results should be reported in µg/m3.

7. Section 3.3.4 AOC 4: Please clarify in the text of this section (and in the corresponding Figure 3-5) which samples exceeded each select comparison value (SCO commercial or protection of groundwater).

8. Section 3.3.7 AOC 7: During the PCE area of impact delineation, all samples should have been consistently analyzed for PCE and all degradation by-products. Since PCE is a contaminant of concern, all future media needs to be analyzed for PCE.

9. Section 3.5 Soil Vapor Sampling:

- First paragraph: Please clarify what soil vapor comparison criteria were used.

- Third paragraph: The information gathered does not support this conclusion. Please revise this conclusion as it is still unclear whether the source of the soil vapor contamination is the contaminated groundwater, contaminated soils, or a combination of both.

10. Section 3.6.2 Off-site – Fun World Building:

    Given the operations within the building, the samples being collected 20-30 feet from each other is acceptable. This sampling was not, however, conducted with the SVE system off, and as such, does not account for worst case scenario. Additionally, the sample was collected over a 2-hour period, and may not reflect conditions throughout the day. Please collect additional indoor, outdoor, and subslab samples following the SVI Guidance with a sample duration of 8-hours during normal hours of operation in order to get a more comprehensive survey of conditions during a typical day. The SVE system should be shut off for 24 hours prior to sample collection, and turned back on after sample completion. The data gathered, consequently, are insufficient to evaluate exposure. As such, it is inappropriate to indicate a lack of significant exposure exists for this building at this time. This building will need to be re-evaluated for SVI following the NYSDOH SVI Guidance.

11. Country Glen Shopping Center and One Old Country Road: It appears that soil vapor intrusion related to the J & H facility is not occurring in these buildings, and no further evaluation as part of this investigation is necessary.

12. There are three additional areas of potential SVI impact near the site that have not yet been evaluated. Fairhaven Apartments lies directly southwest of the Site, closest to AOC 4 and AOC 5. PCE was detected in soil vapor near the SW site boundary. The Stop-N-Shop lies to the 250 feet southeast of the on-site area of PCE soil contamination, and is newly constructed, not yet evaluated for SVI. The building to the north of the Funworld building (which showed elevated levels of PCE and TCE in the subslab soil vapor) also needs to be evaluated for SVI. As you know, soil vapor travels along preferential pathways, and additionally may collect under slabs of building, resulting in concentrations many times higher than those seen in soil vapor. All of these samples should be collected following the NYSDOH SVI Guidance with a sample duration of 24 hours in the apartment samples and 8 hours in businesses during normal hours of operation in order to get a more comprehensive survey of conditions during a typical day. The SVE system should be shut off for 24 hours prior to sample collection, and turned back on after sample completion.

13. Section 4.4 On-site indoor air and sub-slab soil gas samples, fourth paragraph: If sub-slab and indoor air samples were not co-located and collected concurrently as described in the SVI Guidance, then applying the NYSDOH decision matrices may be inappropriate. All future SVI samples (soil vapor, subslab, indoor, and ambient air) must be collected according to the NYSDOH SVI Guidance to be recognized by the NYSDOH as legitimate SVI samples and to be comparable to the NYSDOH decision matrices.

14. Table 5-1 is missing.

15. Page 55, Conceptual Remedial Action Plan and also Table 6-1: Specific remedies are proposed to address on-site contamination. Endpoint samples must be collected after each soil removal in each area of concern. These samples should be analyzed for all contaminants ever detected at the site with detection limits below the unrestricted soil clean-up objective for comparison purposes. Please note: should contamination remain on-site in soil at levels above unrestricted soil clean-up objectives or in groundwater at levels above groundwater standards, a deed restriction may be required to restrict future use of the property to the appropriate use classification.

16. Section 6.1.4, AOC-7: Johnson & Hoffman has requested modification of the SVE system to focus on the more heavily contaminated soils in AOC-7 is acceptable with the following provisions:

    Pressure readings should be collected (with the SVE system running) before and after the modification to characterize the SVE system's radius of influence. Pressure readings should be collected under the on-site and the Funworld building before and after as well.

    Several rounds of concurrent indoor air and subslab samples should be collected in the on-site building as well as the Funworld building

following the NYSDOH Guidance document: prior to the modification, with no system running, about a week after the modification takes place, and a month after that to ensure that the modified system is effective in mitigating exposures. Should this take place prior to the 2009-2010 heating season, these samples will need to be collected again during this heating season to verify their accuracy.

It is necessary to evaluate the SVI implications of such a change as the SVE system is currently mitigates both the on-site building and the adjacent "Funworld" building. Please submit a revised request of the proposed modifications to the Department for review and approval.

17. Section 3.7 Data Usability Summary Report: Many of the Data Usability Summary Reports (DUSRs) and associated results indicate that some soil samples contained so much PAHs and SVOCs that the samples had to be diluted by as much as 80 times in order to be analyzed without doing damage to the analytical instrumentation. As a result of the sample dilutions, the reporting levels were so elevated for all analytes on the sample target compound lists as to be not useful for comparison to soil cleanup objectives.

18. Several PAHs reported in the SVOCs groundwater monitoring results (Table 3-9 b) have NYSDOH ambient water guidance values (TOGS 1.1.1) of 0.002 ppb (benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene and indeno(1,2,3-cd) pyrene). Sample results of 10U or 10UJ likely indicate that these analytes were determined with detection limits in excess of the guidance value and would therefore not be indicative that the value level was achieved.

If you have any questions regarding these comments, please contact me at (631) 444-0243.

Sincerely,

Girish Desai

Girish Desai, P.E.
Project Manager

cc: W. Parish
R. Rusinko, Esq., NYSDEC
S. Messier
J. DeFranco
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New York State Department of Environmental Conservation
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Joe Martens
Commissioner

June 4, 2012

Michael Teetsel
Environmental Resources Management
40 Marcus Drive
Suite 200
Melville, New York 11747

Re: Remedial Investigation Report
Johnson & Hoffman Manufacturing Site No. V-00684

Dear Mr. Teetsel:

The New York State Departments of Environmental Conservation (Department) and Health (NYSDOH) have reviewed the Remedial Investigation Report for the Johnson & Hoffman Manufacturing Site and offer the following comments.

1. Site Description should include the names of volunteers who entered into a Voluntary Cleanup Agreement with the Department and name of the current property owner.

2. Section 1.1 states that Johnson and Hoffman Manufacturing Corporation was dissolved in 2004 and a new corporation known as Johnson & Hoffman Manufacturing continued operations from 2004 until present. Please provide more details about both companies with the same name.

3. Section 1.3.3 Due Diligence Report: Please clarify if the four 55-gallon drums of soil from the wastewater trench repair work were removed off-site or returned to the excavation. If returned to the excavation, please provide the soil sampling results.

4. Section 1.5 Areas of Concern (AOC): We recommend adding a sub-section that details the interim remedial measures (IRMs) that have been implemented to address previously identified AOCs. Please update Figure 1-5 to identify which AOCs requires remedial actions and which AOCs no longer require further remedial action due to IRM actions.

5. Section 1.5: The RIR should include the northwestern corner of the Finishing Department (former PCE/TCE Usage area) as an AOC based on the sub-slab soil vapor sample JH-SS-04 results.

6. Section 2.4.2 Soil Sampling Program for PCE Delineation: This section should be updated to include the October 2010 and August/September 2011 post-excavation soil sampling results. One soil sample from a soil boring SB-11 within interior of the building at AOC-7 exceeded the soil clean up objectives (protection of groundwater) for PCE. If additional soil sample was collected

from the SB-11 soil boring location, please provide the results.

7. Section 3.4.4 PAH Groundwater Analytical Results: PAHs exceeding the New York State Groundwater Quality Standards in on-site and off-site (down gradient) monitoring wells. Storm Drain located in the vicinity of monitoring well MW-4 and other storm drains should be investigated. This investigation will assist in finding PAH contamination sources in the vicinity of MW-4 and other parts of the site. To determine on-site groundwater contamination with PAHs may be attributed to an off-site source, ERM should conduct an off-site groundwater investigation at properties located upgradient of the Johnson and Hoffman site.

8. Section 3.3.5 AOC 5: Vertical extent of contamination at sample location SR-01 is not defined 8 feet below base of the recharge basin.

9. Section 3.3.10 Soil sample BG-01 exceeds SCOC and SCOGW for total PCBs.

10. Section 3.6.1 On-Site Building Soil Vapor Intrusion: This section and subsection 4.4 should be updated to reflect the results of all soil vapor intrusion sampling events including February 2012 data, as well as the modification of the SVE system to a sub-slab depressurization system. The data supports a complete exposure pathway exists and requires mitigation. The RIR should be a complete document and do not refer to a separate report for the sampling results.

11. Section 3.6.2 Off-Site SVI (Fun World Building): The NYSDOH response regarding no further SVI sampling at the Fun World was conditional upon no rebound effect occurring with the post-SVE termination sampling event. A soil vapor sample was collected in December 2011 near Fun World to provide the agencies with information on rebound. Please update the section to include the results of December 2011 soil vapor sample (40 ug/m3) and state that the rebound was not demonstrated and hence no further action is warranted.

12. Figure 3-3 should indicate the data in ug/kg and please verify that units of data are indicated on all figures.

13. In addition to above comments, ERM should verify that all comments provided in a letter dated April 24, 2009 by the Department have been addressed.

If you have any questions, please contact me at (631) 444-0243.

Sincerely,

Girish Desai

Girish Desai, P.E.
Project Manager

cc: W. Parish
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27 August 2012

Mr. Girish Desai, P.E.
Environmental Engineer 2
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Subject: Response to Comments on the
Remedial Investigation Report
Johnson & Hoffman Manufacturing Site No. V-00684

Dear Mr. Desai:

On behalf of Volunteers CAWSL Enterprises, Environmental Resources Management (ERM) has prepared this response to comments received for the Remedial Investigation (RI) Report for the J&H Manufacturing Facility in Carle Place, NY (the Site). The comments from the New York State Department of Environmental Conservation (NYSDEC) letter dated 4 June 2012 are presented in italics followed by our response.

NYSDEC Comment:

1. Site Description should include the names of volunteers who entered into a Voluntary Cleanup Agreement with the Department and name of the current property owner.

Response:

The Volunteers, CAWSL Enterprises, Inc. and AMI Johnson, LLC entered the Voluntary Cleanup Agreement dated July 6, 2004, with the NYSDEC. The current owner of the property located at 40 Voice Road, Carle Place, NY is Manley Holdings, Inc. and the Nassau County Industrial Development Authority.

This information will be provided in Section 1.1 - Site Description of the revised RIR.

NYSDEC Comment:

2. Section 1.1 states that Johnson and Hoffman Manufacturing Corporation was dissolved in 2004 and a new corporation known as Johnson & Hoffman Manufacturing

continued operations from 2004 until present. Please provide more details about both companies with the same name.

Response:

In 2004, American Engineered Components, Inc. ("AEC") owned all of the outstanding stock in Johnson and Hoffman Manufacturing Corp. ("J&H '04"). In 2004, AEC and J&H '04, among others, filed a petition for Chapter 11 Bankruptcy in the U.S. Bankruptcy Court for the District of Delaware. The U.S. Bankruptcy Court via an Order dated April 21, 2004, approved AMI Johnson LLC to be the purchaser ("Transferee") of all of the assets of AEC and J&H '04, free and clear of liens, claims, and encumbrances. Subsequently, J&H '04 dissolved and ceased to exist. After the acquisition via the bankruptcy, AMI Johnson, LLC operated with the assets acquired from AEC and J&H '04 and continued to do business under a newly formed entity with the name of Johnson and Hoffman Manufacturing Corp.

This information will be provided in Section 1.1 - Site Description of the revised RIR.

NYSDEC Comment:

3. Section 1.3.3 Due Diligence Report: Please clarify if the four 55-gallon drums of soil from the wastewater trench repair work were removed off-site or returned to the excavation. If returned to the excavation, please provide the soil sampling results.

Response:

The wastewater trench repair work was discussed in ERM's Phase II Site Investigation report dated 27 February 1997, which references off-Site disposal of material. More specifically, Section 2.2 of the Report states that sample NT-2 (3'-5') was collected from the midpoint of the excavation located opposite the north trench sump "and was analyzed for the following compounds to characterize excavated soil for proper disposal":

- Nassau County Department of Health's (NCDH's) Appendix A list of Volatile Organic Compounds (VOCs), as presented in (NCDH's Floor Drain and Dry Well Closure Procedures);
- Toxic Characteristic Leaching Procedures (TCLP) Metals; and
- Total Petroleum Hydrocarbons.

NYSDEC Comment:

4. Section 1.5 Areas of Concern (AOC): We recommend adding a sub-section that details the interim remedial measures (IRMs) that have been implemented to address previously

identified AOCs. Please update Figure 1-5 to identify which AOCs requires remedial actions and which AOCs no longer require further remedial action due to IRM actions.

Response:

The revised RI Report will include a sub-section detailing the IRMs that have been implemented in AOC 7, and Figure 1-5 will be updated as requested.

NYSDEC Comment:

5. Section 1.5: The RIR should include the northwestern corner of the Finishing Department (former PCE/TCE Usage area) as an AOC based on the sub-slab soil vapor sample JH-SS-04 results.

Response:

At the beginning of the project, the PCE/TCE usage area was included as part of the AOC 7 investigation. Based on the specific sampling activities that have been performed in the PCE/TCE usage area-over the course of the project, a separate AOC designation does not appear to be warranted as none of data suggests that a separate release has occurred. A summary of this work is provided below:

- The soil gas survey conducted in October 2000 (see RIR Section 3.2) show PCE concentrations in the PCE/TCE usage area to be orders of magnitude below the nearby AOC 7 source areas which included the PCE storage tank outside the southeast corner of the building and a former drum storage area south of the building. The PCE detected in this location was attributed to gas migration from the identified source areas.
- Additional soil gas testing of the PCE/TCE usage area via nearby SVE well VEW-7 was conducted as part of the October 2010 SVE system confirmation sampling program. These results were reported in RIR Section 4.3.2.1 and it was concluded that evidence of a release was not present.
- The most recent soil gas tests in this area were the samples from JH-SS-04 in 2011 and 2012. Three samples were collected:
    1. The first sample was collected in July, 2011, prior to the final AOC 7 excavation. PCE was present in this sample at 4,200 $\mu g/m^3$.
    2. The second sample was collected in December, 2011, after the excavation was completed. The PCE concentration in this sample dropped to 623 $\mu g/m^3$.
    3. The third sample was collected in January, 2012. The PCE result in this sample was further reduced to 220 $\mu g/m^3$.

The reduction in PCE concentration between the first and second samples indicates that the initial result can be attributed to gas migration from the soil subsequently removed by the excavation. The continuing reduction indicated by the third sample result shows that conditions are still improving and the low PCE levels that remain in soil gas are not indicative of an on-going source.

It should be noted that the PCE/TCE usage area is within the influence of SVE well VEW-5 which continues to operate for sub-slab depressurization purposes. This well will continue operating until all sampling points inclusive of JH-SS-04 are below the mitigate range as defined by the NYSDOH decision matrices and ERM's October 2011 "AOC 7 Construction Completion Report". VI samples will be collected at JH-SS-04 during the next heating season to further evaluate conditions below the Site building.

Based on the above factors, it is concluded that the sub-slab soil vapor results at JH-SS-04 do not indicate a separate source of contamination and therefore do not warrant redefining the area as a separate AOC.

NYSDEC Comment:

6. Section 2.4.2 Soil Sampling Program for PCE Delineation: This section should be updated to include the October 2010 and August/September 2011 post-excavation soil sampling results. One soil sample from a soil boring SB-11 within interior of the building at AOC-7 exceeded the soil clean up objectives (protection of groundwater) for PCE. If additional soil sample was collected from the SB-11 soil boring location, please provide the results.

Response:

A discussion of the October 2010 and August/September 2011 soil sampling results will be provided in Section 2.4.2 of the revised RI Report.

Regarding soil boring SB-11, the sample referred to in NYSDEC's comment was a pre-remedial sample collected in November, 2000. The 0-1 foot interval from this boring contained a PCE concentration of 3,300 µg/kg. ERM collected post-remedial samples from the SB-11 location in October, 2010, (SB-11R). The 0-1 foot interval was not resampled because there were no PID detections from that interval. As indicated in ERM's approved 9 September 2010 AOC 7 Confirmation Soil Sampling Plan, soil samples were collected using the following approved protocol:

- Two 4-foot cores were taken from each boring location.

- Each 4-foot core was broken up into two 2-foot sections and screened with a PID.
- If an elevated PID reading was observed in a 2-foot section, a sample was collected from that section and sent out for lab analysis. If a two foot-section did not have an elevated PID reading, no sample was collected from that interval.
- In the event that there was no elevated PID reading in a 4-foot core, a sample was collected from the center of that core.
- If no PID reading was observed during screening of a boring collocated with a historic boring that exhibited high levels of PCE, then a soil sample was collected from the same interval as the historic detection.

The PID reading from the 0-1 foot interval in SB-11R was non-detect (0.0 parts per million by volume – ppmv); therefore no sample was collected for analysis from this horizon. A copy of the SB-11R boring log is provided as Attachment A. The sample with the highest PID result in 2010 was the 3-4 foot interval and thus selected for analysis. The PCE concentration in this sample was 25.2 µg/kg. This same interval was also analyzed in 2000 and contained PCE at 396.3 µg/kg. This order of magnitude reduction demonstrates that the SVE remediation was effective at this location and supports the conclusion that post-remedial soil quality at location SB-11/SB-11R is below the PCE SCOGW of 1,300 µg/kg.

NYSDEC Comment:

7. Section 3.4.4 PAH Groundwater Analytical Results: PAHs exceeding the New York State Groundwater Quality Standards in on-site and off-site (down gradient) monitoring wells. Storm Drain located in the vicinity of monitoring well MW-4 and other storm drains should be investigated. This investigation will assist in finding PAH contamination sources in the vicinity of MW-4 and other parts of the site. To determine on-site groundwater contamination with PAHs may be attributed to an off-site source, ERM should conduct an off-site groundwater investigation at properties located upgradient of the Johnson and Hoffman site.

Response:

In order to confirm previous groundwater sampling results, monitoring well MW-4 will be resampled and analyzed for PAHs via EPA Method 8270C using Selective Ion Monitoring (SIM). The SIM procedure has the lowest reporting levels (RLs) using published EPA methods in a commercial laboratory environment.

If PAH contamination is still present in well MW-4 above the New York State Groundwater Quality Standards, soil sampling will be performed in the storm

drain located 10 feet to the southwest of MW-4 as presented in Figure 1-4 of the RI Report. The sample would be collected using a direct-push drill rig from the following intervals below the bottom of the storm drain: 0-1 feet, 4-5 feet, 9-10 feet, and 14-15 feet. Samples will be analyzed for PAHs via EPA Method 8270C. After receipt of the results, they will be provided to the Department in e-mail format and next steps will be discussed.

NYSDEC Comment:

8. Section 3.3.5 AOC 5: Vertical extent of contamination at sample location SR-01 is not defined 8 feet below base of the recharge basin.

Response:

The overgrowth and steep banks of the recharge basin made access with a drill rig impossible without clearing and construction of a ramp. As a result, ERM utilized a hand auger for sample collection which limited sampling depth to 8 feet below ground surface (bgs). While the planned method for completing the vertical delineation (through use of excavation endpoint samples) would comply with all DER-10 requirements, a change to this approach is proposed to address the Department's concern. An attempt will be made to access the basin with portable equipment (e.g., hand auger, slide hammer with soil coring device, pneumatic or electric hammer drill with soil coring device) in order to collect samples from deeper intervals in an attempt to vertically delineate PAH contamination within the recharge basin. The vertical concentration trend at SR-01 in the recharge basin suggests that the extent of impacted soil does not extend much deeper than 8 feet. The additional samples will be collected at previous soil boring location SR-01 at depths of 9.0-9.5, 10.0-10.5, and 11.0-11.5 feet bgs. Sampling may continue to a greater depth in this fashion, up to the limit of the selected tool. Each sample will be analyzed for PAHs via EPA Method 8270C.

NYSDEC Comment:

9. Section 3.3. 10 Soil sample BG-01 exceeds SCOC and SCOGW for total PCBs.

Response:

BG-01 is one of two samples collected to assess background conditions at the Site. As a result, these samples were collected from a landscaped, grassy area which is not known to have been used for industrial purposes since the Site was developed in the 1960s**.** PCBs are not known to have been used at the Site, and none of the other 11 soil samples collected at the Site for PCB analysis exceeded the Commercial Soil Cleanup Objectives (SCO) or the Protection of Groundwater SCO for PCBs. Sample BG-02 is approximately 55 feet to the east of BG-01 and

did not contain detectable levels of PCBs. The single PCB exceedence found at BG-01 is interpreted to be a de minimus outlier. To verify this interpretation and confirm the previous sample results, a soil sample will be collected from the original BG-01 location at a depth of 0-1 feet (i.e., the depth of the original sample). The sample will be analyzed for PCBs via EPA Method 8082. After receipt of the results, they will be provided to the Department in e-mail format. If the results are less than the Commercial SCO and Protection of Groundwater SCO, then no further action will be recommended for this area. If results remain above these SCO, the necessary actions will be evaluated.

NYSDEC Comment:

10. Section 3.6.1 On-Site Building Soil Vapor Intrusion: This section and subsection 4.4 should be updated to reflect the results of all soil vapor intrusion sampling events including February 2012 data, as well as" the modification of the SVE system to a sub-slab depressurization system. The data supports a complete exposure pathway exists and requires mitigation. The RIR should be a complete document and do not refer to a separate report for the sampling results.

Response:

The revised RI report will include the results of all soil vapor intrusion sampling events conducted subsequent to submission of the prior version in October, 2011. This includes the July, 2011, December, 2011, and February, 2012 data. The modification of the SVE system to a sub-slab depressurization system in August, 2011, will also be reported in the revised document.

NYSDEC Comment:

11. Section 3.6.2 Off-Site SVI (Fun World Building): The NYSDOH response regarding no further SVI sampling at the Fun World was conditional upon no rebound effect occurring with the post-SVE termination sampling event. A soil vapor sample was collected in December 2011 near Fun World to provide the agencies with information on rebound. Please update the section to include the results of December 2011 soil vapor sample (40 ug/m3) and state that the rebound was not demonstrated and hence no further action is warranted.

Response:

The RI report will be updated to include the results of December, 2011, soil vapor sample near Fun World and will state that the rebound was not demonstrated and no further action is warranted.

NYSDEC Comment:

12. Figure 3-3 should indicate the data in ug/kg and please verify that units of data are indicated on all figures.

Response:

The comment is noted, and will be addressed in the revised RIR.

NYSDEC Comment:

13. In addition to above comments, ERM should verify that all comments provided in a letter dated April 24, 2009 by the Department have been addressed.

Response:

All comments in the 29 April 2009 letter were addressed in the October, 2011, RI Report. Table 1 summarizes these comments and where/how they have been addressed in the document.

Please review these responses and let us know if you agree with the proposed actions. Once we are in agreement, we will perform the additional sampling proposed, and then submit a revised RI Report. Should you have any questions regarding the responses provided herein, please feel free to contact us at your convenience.

Very truly yours,

John Mohlin, P.E.
Project Manager

Michael B. Teetsel, C.P.G.
Senior Consultant

cc: Sharon McLelland, New York State Department of Health
Richard A. Warden, CAWSL Enterprises
Brian Manley, Jade Corporation
Christopher W. Boyle, Drinker Biddle & Reath, LLP

TABLE 1
Summary of 29 April 2009 NYSDEC RI Report Comments
J&H Manufacturing Facility
Carle Place, NY

NYSDEC Comment #	Summary of Comment	How/Where Addressed in October 2011 RI Report
1	Clarify groundwater flow direction	This comment was addressed in the last paragraph of section 1.1.3 of the October 2011 RI Report.
2	Request for additional off-Site VI evaluation	See response to Comment 12.
3	Detection limit for PAHs is often above standard; additional investigation is required	See response to Comment 18.
4	Define extent of all contamination; after approval of final site investigation report prepare and submit draft remedial action work plan for review and approval.	The extent of contamination in all media was defined in Sections 3 and 4 of the October 2011 RI Report. A RAWP was submitted to the Department on 23 January 2012 prior to the Departments approval of the RI Report. Any necessary changes to the RAWP will be addressed upon approval of the RI Report.
5	Section 1.3.3 second to last bullet - identify dry wells SWCB-02 and -03 as the likely source of contamination in the recharge basin	This comment was addressed in the second to last bullet in Section 1.3.3 of the October 2011 RI Report.
6	Section 3.2 Soil Gas Screening Survey - all air results should be reported in micrograms per cubic meter	This comment was addressed in Section 3.2 of the October 2011 RI Report.
7	Section 3.3.4 AOC 4 - clarify whether sample results exceeded Commercial Soil Cleanup Objectives (SCOs) and/or Protection of Groundwater SCOs	This comment was addressed in the table provided in Section 3.3.4 of the October 2011 RI Report.
8	Section 3.3.7 AOC 7 - ensure all soil samples are analyzed for PCE and its degradation products	This was done. In addition, the comment was addressed directly in ERM's 29 May 2009 Response to NYSDEC Comments.
9a	Section 3.5 Soil Vapor Sampling - clarify soil vapor criteria used	This comment was addressed in Section 3.5 of the October 2011 RI Report.
9b	Section 3.5 Soil Vapor Sampling - revise conclusion to indicate uncertainty over the source of soil vapor impacts	We maintain, as stated in ERM's 29 May 2009 Response to NYSDEC Comments, that the results support that the source of the detected vapors is more likely derived from groundwater than from soil. Further support of this interpretation was provided in Section 3.5 of the October 2011 RI Report.
10	Section 3.6.2 Off-site – Fun World Building - additional VI sampling is warranted	This comment was addressed in Section 2.7.2 of the October 2011 RI Report.
11	Country Glen Shopping Center and One Old Country Road - no further action required	No response needed.
12	Request for VI sampling at off-Site properties (Stop-N-Shop, Fairhaven Apartments, and building to the north of Fun World)	The portion of this comment pertaining to the building north of Fun World was addressed directly in ERM's 29 May 2009 Response to NYSDEC Comments letter. The portion of this comment pertaining to the Stop-N-Shop building and the Fairhaven Apartments was addressed in Sections 2.7.6 (Stop-N-Shop) and 2.7.5 and 3.6.5 (Fairhaven Apartments) of the October 2011 RI Report.
13	All future VI sampling must consist of co-located sub-slab and indoor air samples	No response needed.
14	Table 5-1 is missing	Provided in October 2011 RI Report as Table 5-1.

TABLE 1
Summary of 29 April 2009 NYSDEC RI Report Comments
J&H Manufacturing Facility
Carle Place, NY

NYSDEC Comment #	Summary of Comment	How/Where Addressed in October 2011 RI Report
15	Page 55, Conceptual Remedial Action Plan & Table 6-1 - all future remediation-based sampling must include endpoints samples and all site-related compounds.	As directed by the Department, a Conceptual Remedial Action Plan was not included with the October 2011 RI Report. Detailed plans for soil excavation endpoint sampling and a description of how deed restrictions will be used in the proposed remedy were included in the 23 January 2012 RAWP.
16	Section 6.1.4, AOC-7 - conditional approval of the proposed SVE system modifications	As indicated above, at the direction of the Department, Section 6 "Conceptual Remedial Action Plan" was excluded in the October 2011 RI Report.
17	Section 3.7 Data Usability Summary Report - many reporting levels were elevated due to dilution effects	This comment was addressed directly in ERM's 29 May 2009 Response to NYSDEC Comments. We maintain that no further action is required for the NDs above criteria.
18	PAH groundwater sampling results contain non-detects above comparison criteria	This comment was addressed directly in ERM's 29 May 2009 Response to Comments. As indicated in ERM's response, groundwater samples collected during the September 2010 sampling event were analyzed for Polycyclic Aromatic Hydrocarbons (PAHs) via EPA Method 8270 SIM to obtain lower RLs. The results were reported in Section 3.4.4 of the October 2011 RI Report.

Environmental Resources Management

40 Marcus Drive, Suite 200 Melville, New York 11747

SOIL BORING LOG

Boring Number SB-11R

Project Name & Location: **J&H**	Project Number	Date & Time Started: **10/6/2010**	
		Date & Time Completed:	
Drilling Company: **Laurel Environmental Associates Ltd.**	Foreman	Sampler(s): **E.Lagomarsini** Sampler Hammer	Drop
Drilling Equipment: **Geoprobe 6610DT**	Method	Elevation & Datum Completion Depth	Rock Depth
Bit Size(s)	Core Barrel(s)	Geologist(s): **E.Lagomarsini**	

DEPTH (ft below grade)	SAMPLES: Sample Number	Recovery (feet)	FID/PID (ppm)	Blow Counts	SOIL DESCRIPTION
	LOCATION:				SURFACE DESCRIPTION: — COLOR (Munsell Color Chart):
0			0.0 ppm		(0-1) f-m sand w/large cobbles and gravel — 5 YR 8/2
			0.0 ppm		
1			0.0 ppm		(1-2) f-m sand w/large cobbles and gravel (1")top — 10 YR 4/8
			0.0 ppm		f-m sand w/large cobbles and gravel (10")bottom — 10 YR 4/6
2			0.0 ppm		f-m sand w/large cobbles and gravel (1")bottom — 10 YR 4/3; (2-3) m-f sand w/gravel (2") top — 5 YR 8/2
			39.6 ppm		m-f sand w/gravel (10")bottom — 10 YR 4/6
3			39.6 ppm		(3-4) f sand w/silt (10")top — 2.5 YR3/2; f sand w/silt (2")bottom — 5 YR 5/8 — 3'.4'
4			10.3 ppm		(4-5) f sand w/silt — 5 YR 5/8 — 4'-5'
5			20.4 ppm		(5-6) m-c sand w/gravel and large cobbles — 10 YR 4/6
			0.0 ppm		
6			0.0 ppm		(6-7) m-c sand w/gravel and large cobbles — 7.5 YR 5/8
			0.0 ppm		
7			0.0 ppm		(7-8) coarse to very coarse sand w/large cobbles and gravel — 7.5 YR 5/8
			0.0 ppm		
8			0.0 ppm		
			0.0 ppm		
9					

Page 1 of 1 Signature: _____ Date: 10/06/10

sample interval (ft bgs) sample collected

Appendix B

Forms & Logs for Vapor Intrusion Sampling

July 2011

ERM Daily Field Report

Date: 7/13/11

Project Name: J&H IA sampling
Project Number: 0127194
Project Manager: John Mohlin
Completed By: J Maddox
Location: 40 Voice Rd Carle Place
Report No.

Temperature Range: 78-86 F
Rain /Snow Amount: None
Wind Speed: 9-14 from NW
Time Onsite: 7:25
Time Offsite: 14:00
Photographs Taken: Yes

Sub Company Onsite	Crew Size	Supervisor	Task
NAEVA	Amelia + Ken	Markout SS at three installation points	

Work Activities completed today: (include production rates)

7:25 Maddox on site. Take SVE system data and turn system off at 7:40, 48 hours prior to SS sampling. Met with Rich Tregaskis to inform him of the work plan.

8:00-9:45 NAEVA onsite to markout 10′ radius at the three SS sampling installation points. No features found other than rebar. Rebar grid was marked out .

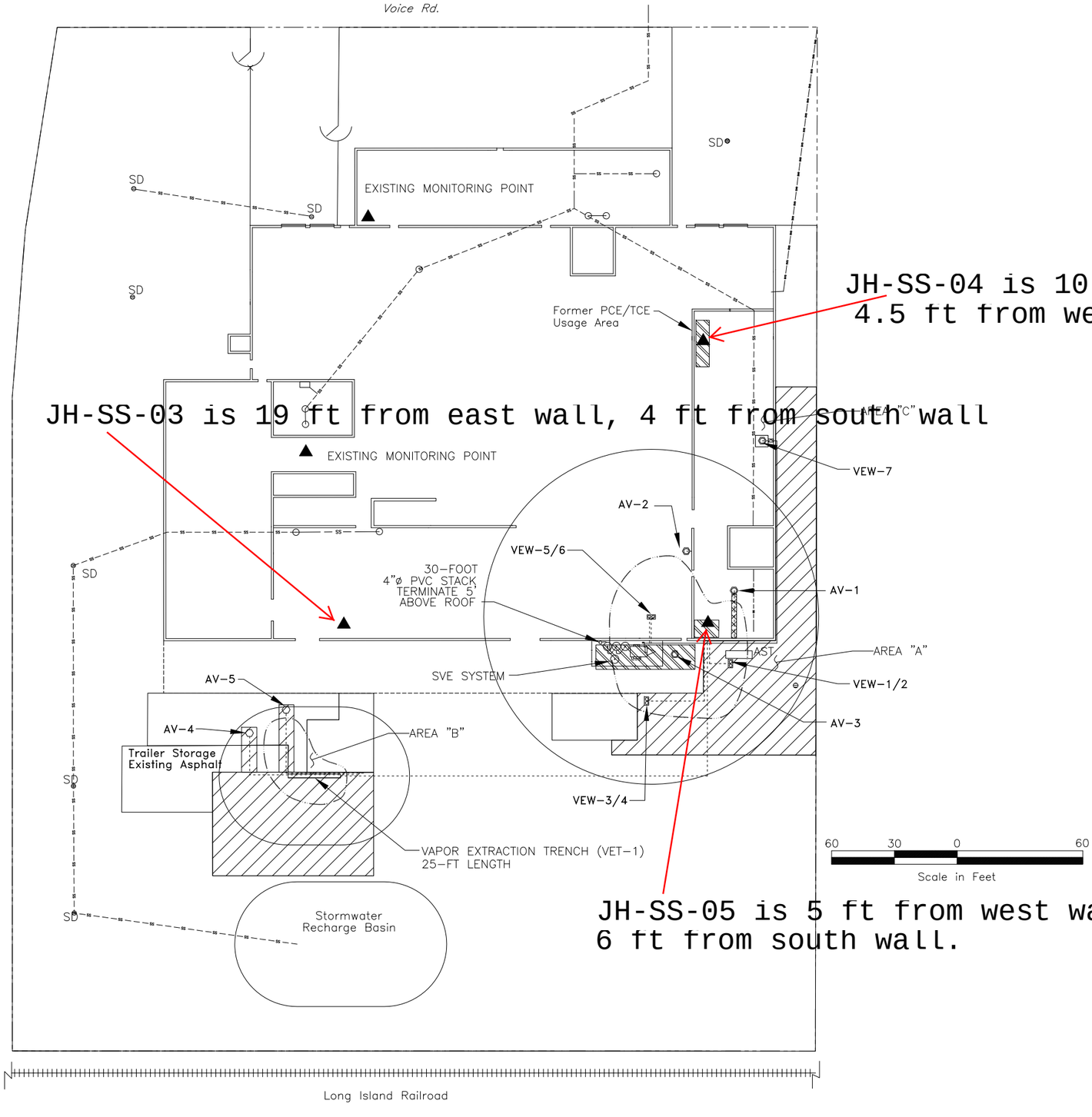
9:45-14:00 Installed SS sampling/monitor points JH-SS-03, JJ-SS-04, and JJ-SS-05. Points are one inch diameter, ten inches deep. Concrete thickness is 5 inches. Quarter inch o.d. Teflon tubing was bedded in glass beads. The top two inches are sealed with hydraulic cement around the compression fitting. The point is plugged with a ¼" NPT fitting and a plastic cap covers the point. The points will be marked with paint after the 7/15 sampling event. The points were each purged at a flow rate of 0.2 L/min. and then leak checked by flooding with helium and monitoring for breakthrough with a helium detector attached to the point fitting. No leaks were detected after all fittings were tightened.

14:00 Maddox off site

Sub Company	Equipment Used	Make	Model	Hours Used
NAEVA	GPR			2

Name of Visitor Onsite	Representing	Purpose	Duration Onsite
None			

Were There Any **Accidents** or **Incidents** Onsite? NO
If Yes Attach Accident or Incident Report and Take Photographs.



Extraction Point	Flowrate (CFM) (approximate)	Approximate Radius of Influence (ft.)
VEW-5	91.8	80

SVE Radius of influence. Based on 0.1" WC (Water Column)

LEGEND

- VEW-5 Radius of Influence (March 8, 2006)
- 3-inch Asphalt Cap with 6-mil Polyethylene Liner
- Soil Vapor Extraction Wells (VEW) (See Drawing 2)
- Air Vent/Vacuum Monitoring Point (AV) (See Drawing 2)
- Property Line
- Fence
- Railroad
- Subsurface Drainage
- SD Storm Drain/Dry Well
- 2006 Area of Soil Above RSCOs for PCE, TCE & DCE
- Below ground Soil Vapor Recovery Line
- Aboveground Soil Vapor Recovery Line
- Concrete slab pipe trench, Pipe trench not penetrating Finishing room secondary containment
- Proposed Sub-Slab Soil Vapor Sampling Location

TITLE

VEW-5
RADIUS OF INFLUENCE
8 MARCH 2006

JOHNSON & HOFFMAN MANUFACTURING CORP.
CARLE PLACE, NEW YORK

PREPARED FOR

CAWSL ENTERPRISES, INC.

Environmental Resources Management

DRAWN:	JOB NO.:	FILE NAME:	SCALE	FIGURE
JM	0040773.01	0040773-01-002R2JM	GRAPHIC	3-2
			DATE 3/21/11	

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name:
Location:
Project Manager: J MOHLIN
PIC: M TERTSEL

Sample Location:	JOHNSON & HOFFMAN	Collector(s):	JMX
Address:	10 VOICE RD CARLE PLACE NY		
PID Meter Used: (Model, Serial #)	MINIRAE 2000 S/N R8089		

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID:	JH-IA-01	Sample ID:	JH-IA-02	Sample ID:	JH-IA-03
Canister Serial No.:	A168	Canister Serial No.:	A634	Canister Serial No.:	A074
Flow Controller Id No:	FC260	Flow Controller Id No:	FC254	Flow Controller Id No:	FC360
Start Date/Time:	7/15/11 0818	Start Date/Time:	7/15/11 0814	Start Date/Time:	7/15/11 0820
Start Pressure: (inches Hg)	>30	Start Pressure: (inches Hg)	>30	Start Pressure: (inches Hg)	30
Stop Date/Time:	7/15/11 1617	Stop Date/Time:	7/15/11 1657	Stop Date/Time:	7/15/11 1615
Stop Pressure: (inches Hg)	-6.5"	Stop Pressure: (inches Hg)	-6.5	Stop Pressure: (inches Hg)	-6.5"

Other Sampling Information:

PID Reading (ppm)	0	PID Reading (ppm)	0	PID Reading (ppm)	0
Story/Level	GROUND	Story/Level	→	Story/Level	→
Room	CAFETERIA	Room	REST ROOMS	Room	'BLACK HOLE'
Air Temp (°F)	70°	Air Temp (oF)	74°	Air Temp (oF)	74°
Barometric Pressure ("Hg or mb)	30.08 - 30.04	Barometric Pressure ("Hg or mb)	→	Barometric Pressure ("Hg or mb)	→

Comments:

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name:
Location:
Project Manager: MOHLIN
PIC: TREISEL

Sample Location:	J+H	Collector(s):	JMK
Address:			
PID Meter Used: (Model, Serial #)	MINI RAE 2000 S/N RB089		

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID:	JH-IA-04	**Sample ID:**	JH-IA-05	**Sample ID:**	
Canister Serial No.:	A897	Canister Serial No.:	A460	Canister Serial No.:	
Flow Controller Id No:	FC183	Flow Controller Id No:	FC479	Flow Controller Id No:	
Start Date/Time:	7/15/11 0816	Start Date/Time:	7/15/11 0815	Start Date/Time:	
Start Pressure: (inches Hg)	>30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	7/15/11 1644	Stop Date/Time:	7/15/11 1622	Stop Date/Time:	
Stop Pressure: (inches Hg)	6.5	Stop Pressure: (inches Hg)	6	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	37 Max 0	PID Reading (ppm)	0	PID Reading (ppm)	
Story/Level	GROUND	Story/Level	→	Story/Level	
Room	CLEANING ROOM	Room	STAGING ROOM	Room	
Air Temp (°F)	74	Air Temp (oF)	74	Air Temp (oF)	
Barometric Pressure ("Hg or mb)	30.00 - 30.04	Barometric Pressure ("Hg or mb)	→	Barometric Pressure ("Hg or mb)	→ X

Comments:

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name:
Location:
Project Manager: MOHLIN TEETSEL
PIC:

Sample Location:	JH1	Collector(s):	JMX
Address:			
PID Meter Used: (Model, Serial #)	MINIRAE 2000 S/N R8087		

SUMMA Canister Record:

	Subsurface	Subsurface	Subsurface
Sample ID:	JH-SS-01	JH-SS-02	JH-SS-03
Canister Serial No.:	A333	A644	A305
Flow Controller Id No:	FC436	FC257	FC056
Start Date/Time:	7/15/11 0818	7/15/11 0819	7/15/11 0820
Start Pressure: (inches Hg)	>30	>30	30
Stop Date/Time:	7/15/11 1641	7/15/11 1655	7/15/11 1632
Stop Pressure: (inches Hg)	-6	-6	-6.5

Other Sampling Information:

PID Reading (ppm)	Ø	Ø	32 ppm
Depth of Vapor Probe	JMX-10" NA	JMX-10" NA	10'
Location	CAFETERIA	RESTROOMS	'BLACK HOLE'
Air Temperature	74	74	74
Barometric pressure, " Hg	30.08 - 30.04	→	→
Noticeable Odor?	NO	YES	YES
Duplicate Sample?	NO	NO	NO
Intake Tubing used?	TEFLON	TEFLON	TEFLON

Comments:

Signature: _____

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name:
Location:
Project Manager: MOHLIN TEETSEL
PIC:

Sample Location:	J+H	Collector(s):	JMX
Address:			
PID Meter Used: (Model, Serial #)	MINI RAE 2000 S/N R8089		

SUMMA Canister Record:

Subsurface		Subsurface		Subsurface	
Sample ID:	JH-SS-04	Sample ID:	JH-SS-05	Sample ID:	
Canister Serial No.:	A832	Canister Serial No.:	A482	Canister Serial No.:	
Flow Controller Id No:	FC114	Flow Controller Id No:	FC355	Flow Controller Id No:	
Start Date/Time:	7/5/11 0816	Start Date/Time:	7/5/11 0815	Start Date/Time:	
Start Pressure: (inches Hg)	-27	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	7/5/11 1619	Stop Date/Time:	7/5/11 1649	Stop Date/Time:	
Stop Pressure: (inches Hg)	-3	Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	370	PID Reading (ppm)	96	PID Reading (ppm)	
Depth of Vapor Probe	10"	Depth of Vapor Probe	10"	Depth of Vapor Probe	
Location	CLEANING ROOM	Location	STAGING ROOM	Location	
Air Temperature	74	Air Temperature	74	Air Temperature	
Barometric pressure, " Hg	30.03 - 30.04	Barometric pressure, " Hg	→	Barometric pressure, " Hg	
Noticeable Odor?	YES	Noticeable Odor?	JMX NO YES	Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	
Intake Tubing used?	TEFLON	Intake Tubing used?	TEFLON	Intake Tubing used?	

Comments:

Signature: JMX

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name:
Location:
Project Manager: MOHLIN
PIC: TREESEL

Sample Location:	JH	Collector(s):	
Address:			
PID Meter Used: (Model, Serial #)	MINIRAE 2000 S/N R8089		

SUMMA Canister Record:

Outdoor Air		Outdoor Air		Outdoor Air	
Sample ID: JH-OA-01		Sample ID:		Sample ID:	
Canister Serial No.:	A125	Canister Serial No.:		Canister Serial No.:	
Flow Controller Id No:	FC 288	Flow Controller Id No:		Flow Controller Id No:	
Start Date/Time:	7/15/11 0823	Start Date/Time:		Start Date/Time:	
Start Pressure: (inches Hg)	>30	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	
Stop Date/Time:	7/15/11 1632	Stop Date/Time:		Stop Date/Time:	
Stop Pressure: (inches Hg)	-6.5	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	0	PID Reading (ppm)		PID Reading (ppm)	
Location	IN SVE COMPOUND	Location		Location	
Air Temperature	74°	Air Temperature		Air Temperature	
Barometric pressure, " Hg	30.09 - 30.04	Barometric pressure, " Hg		Barometric pressure, " Hg	
Noticeable Odor?	YES	Noticeable Odor?		Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?		Duplicate Sample?	
Intake Tubing used?	NO	Intake Tubing used?		Intake Tubing used?	

Comments:

Signature: [signature]

December 2011

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 Eugene Gabay Date/Time Prepared 12/5/11 / 11:00 AM

Preparer's Affiliation ERM Phone No. 631 756-8900

Purpose of Investigation Ongoing Vapor Intrusion Investigation

1. OCCUPANT: Facility Manager

Interviewed: Y / N

Last Name: Trevaskis First Name: Rich

Address: 40 Voice Rd., Carle Place, NY 11514

County: Nassau

Home Phone: 5 Office Phone: 516 742-3333

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Metal Stamping

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

Other characteristics:

Number of floors 1 Building age_____

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

Ceiling insulated not Walls

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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 _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

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

The primary type of fuel used is: Backup

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

Domestic hot water tank fueled by: Nat Gas / Electric

Boiler/furnace located in: Basement Outdoors (Main Floor) Other _____

Air conditioning: Central Air (Window units) (Open Windows) None

office Main area

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.

Modine hot air blowers (ceiling mounted)
space heaters

7. OCCUPANCY

~~**Is basement/lowest level occupied?** Full-time Occasionally Seldom Almost Never~~

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	None
1st Floor	Always occupied by workers
2nd Floor	None
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 Propane fork lifts
Please specify _____

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? entire b/dg

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? _____

Propane annealing line

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? termite

Are there odors in the building? Y / N
If yes, please describe: yes / oil lube smell for stamping machines

✱ **Do any of the building occupants nse solvents at work?** Y (N) no chlorinator
(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: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

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

Product Inventory Form
Johnson and Hoffman Manufacturing
40 Voice Road, Carle Place, NY

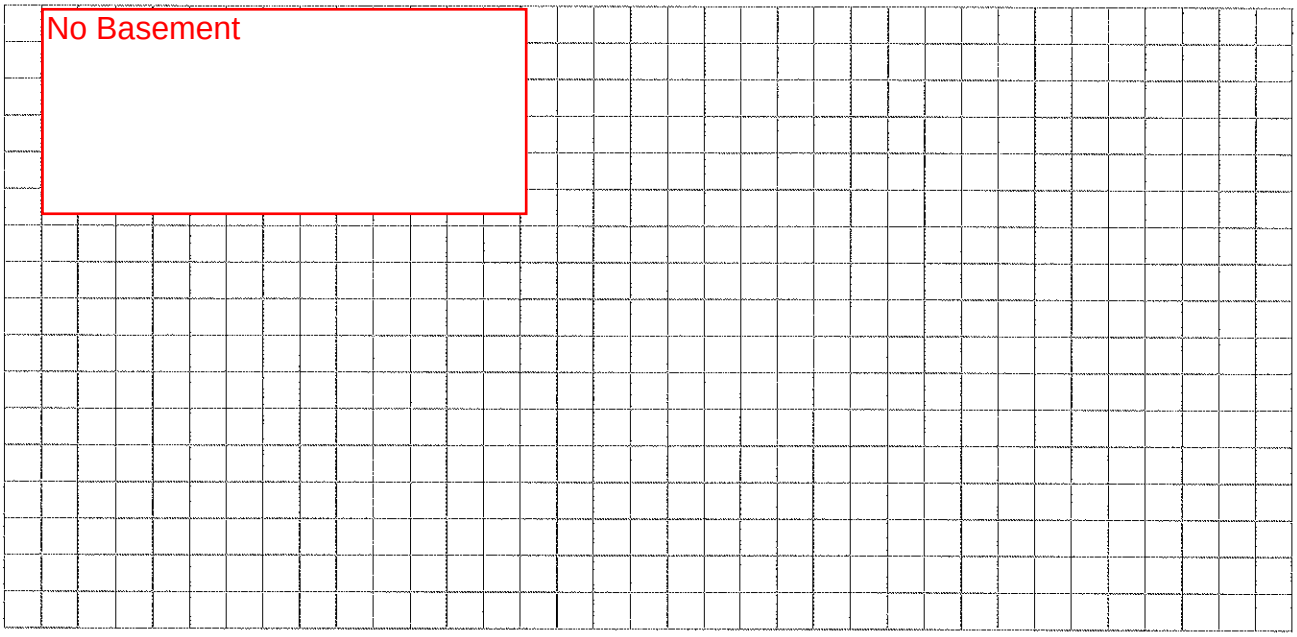
12/5/2011

Chemical Manufacturer	Chemical Name	Use
Almco	408	Abrasive Compound
Starrett	Lubricant	Aerosol Lubricant
Mechanical Finishing	MFC 112	Burnishing Compound
Almco	2350	Burnishing Compound
Clorox Co.	Bleach	Cleaner
Johnson & Johnson	Windex	Cleaner
Johnson & Johnson	Gojo Purell Hand Sanitized	Cleaner
Reckitt Benekiser	Lysol	Cleaner
Oakite	Renovator	Cleaning Compound
Sunshine Makers	Simple Green & Simple Green d Pro5	Cleaning Solution
Clorox Co.	Pine Sol	Cleaning Solution
Crest Ultasonics	Chem Crest 918 (911)	Degreasing Soap
Almco	15	Descaling & Cleaning Compound
Azolla	ZS320	Drawing Oil
Fuch	Tuf Draw 1403-M50	Drawing Oil
Fuch	Renodraw 207W	Drawing Oil
Tower/Fuchs	933	Drawing Oil / Ecocut
GE Osmonics	Ultraflux-B	Filter Cleaner
United Unibrite	50R	Finishing Compound
Mobil	DTE 24	Gear Oil
Elmers	Krazy Glue	Glue
Target	Anti Seize Paste	Lubricant
Mobil	Gear 626	Machine Oil
Radiator Specialty Co.	Brake Cleaner	Non Chlorinated Brake Cleaner
Tergitol	15-S-9	Nonionic Sufactant
Safety Kleen	Premium Gold Solvent	Parts Washer
Macdermid	Clepo 160-T	Plating Solution
Macdermid	Clepo 163-TW	Plating Solution
Macdermid	881-A	Plating Solution
Mechanical Finishing	MFC-3	Rust Inhibitor
PPG	Rustarest 52315	Rust Inhibitor
Rosler	ZF113	Rust Inhibitor
Matchless	RI 7139	Rust Preventative
Armakleen	M-Auto	Rust Remover
Oakite	33	Rust Remover
Matchless	Sc-07L	Soak Cleaner
Matchless	SC-120L	Soak Cleaner
Matchless	SC-356L	Soak Cleaner
PPG	Gillete 71	Soap Paste
United Unibrite	Burnek 22	Soap Powder
United Unibrite	222 Roll Gleam	Soap Powder
Clarkson & Ford	Prime Lard Oil	Stamping/Forming Oil
Clarkson & Ford	XLN	Stamping/Forming Oil
Clarkson & Ford	Mineral Laard 40%	Stamping/Forming Oil
Lamson Oil	6912	Vanishing Oil
Sherwin Williams/Krylon		Various Paints used Around Building

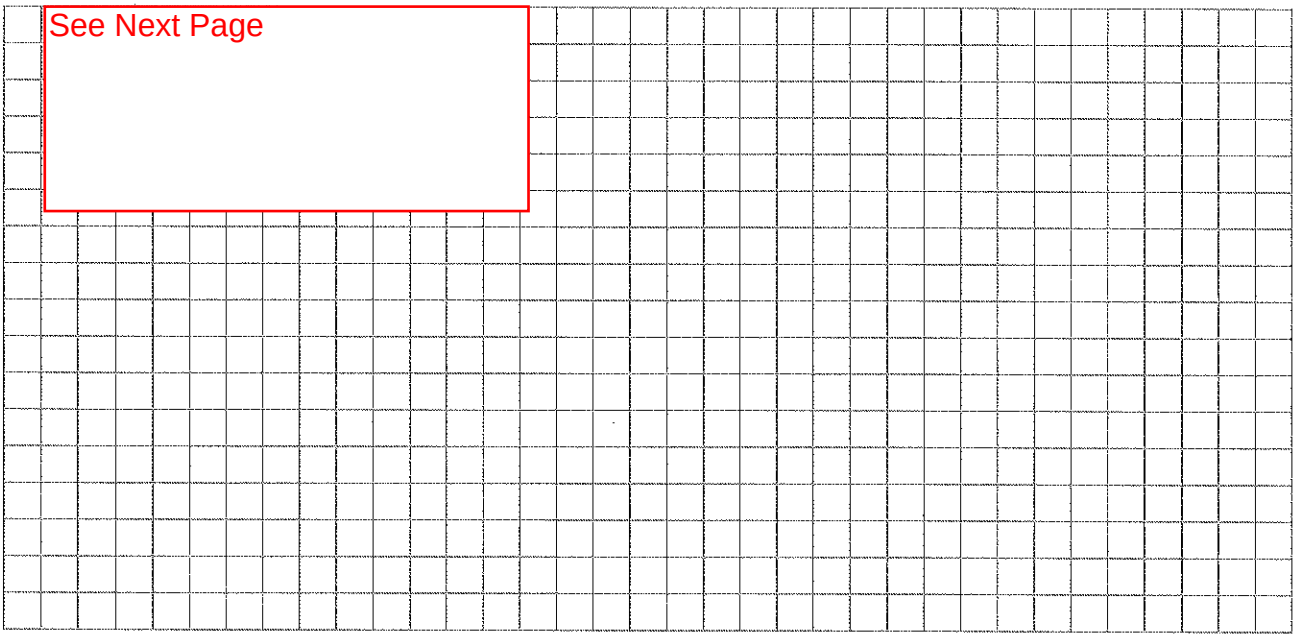
11. FLOOR PLANS

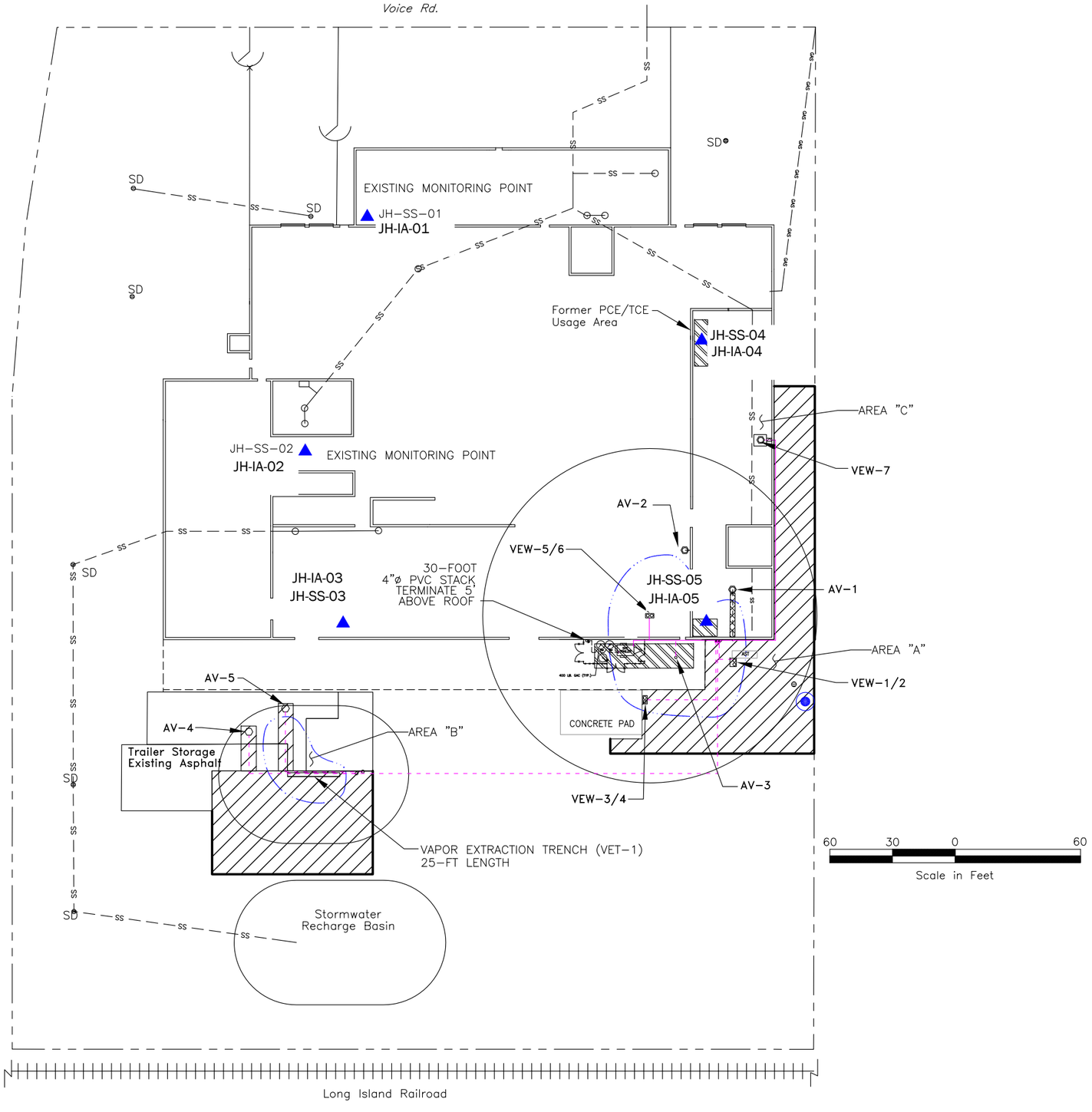
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:





Extraction Point	Flowrate (CFM) (approximate)	Approximate Radius of Influence (ft.)
VEW-5	91.8	80

SVE Radius of influence (March 8, 2006). Based on 0.1" WC (Water Column)

LEGEND

- VEW–5 Radius of Influence (March 8, 2006)
- 3–inch Asphalt Cap with 6–mil Polyethylene Liner
- Soil Vapor Extraction Wells (VEW)
- Air Vent/Vacuum Monitoring Point (AV)
- Property Line
- Fence
- Railroad
- Subsurface Drainage
- Storm Drain/Dry Well
- 2006 Area of Soil Above RSCOs for PCE, TCE & DCE
- Below ground Soil Vapor Recovery Line
- Aboveground Soil Vapor Recovery Line
- Concrete slab pipe trench, Pipe trench not penetrating Finishing room secondary containment
- Proposed Sub–Slab Soil Vapor Sampling Location
- Proposed Soil Vapor Sampling Location

TITLE

VEW–5 ROI AND PROPOSED INDOOR AIR AND SUB–SLAB VAPOR SAMPLING LOCATIONS

JOHNSON & HOFFMAN MANUFACTURING CORP.
CARLE PLACE, NEW YORK

PREPARED FOR

CAWSL ENTERPRISES, INC.

Environmental Resources Management
ERM

DRAWN:	JOB NO.:	FILE NAME:	SCALE	DATE	FIGURE
JM/EMF	0040773.01	0040773–01–002R2JM	GRAPHIC	5/5/11	3–2

ERM Daily Field Report

Date: 12/05/11

Project Name: J&H IA/SS/OA/OSV sampling
Project Number: 0127194
Project Manager: John Mohlin
Completed By: J Maddox
Location: 40 Voice Rd Carle Place
Report No. 1

Temperature Range: 48 - 53 F
Rain /Snow Amount: None
Wind Speed: To 7 mph from S
Time Onsite: 7:15
Time Offsite: 15:10
Photographs Taken: No

Sub Company Onsite	Crew Size	Supervisor	Task
NAEVA	Frank + Ken	Markout JH-OSV-01 installation point	

Work Activities completed today: (include production rates)

7:15 Maddox on site. Met with Rich Trevaskis to inform him of the work plan. Set up Summa canister pairs of IA and SS at 5 locations indoors, and one OA at west end of treatment trailer.
8:00-9:30 Gene Gabay and NAEVA onsite to markout 10' radius at OSV-01 installation point. Point is 30.5' SSE of SE corner of building and 5.5 W of wire fence.
9:30 Gene installed temporary sampling point JH-OSV-01 to depth of 5' bgs. Vapor point bedded in glass beads and the bore hole grouted to grade with Volclay/cement mix. The point was purged at a flow rate of 0.2 L/min. and then leak checked by flooding with helium and monitoring for breakthrough with a helium detector attached to the point fitting. 50 ppm He detected though grout appears well bedded.
10:20 Start TO-15 sampling of JH-OSV-01.
10:45 Maddox off site after assuring pressure rise on samples. Gabay conducting chemical inventory.
13:40 Maddox onsite. Observe that pressure gauges have barely risen. Regulators are 24 hour, not 8 hour. Sampling aborted. Informed John Mohlin, contacted Accutest for new sample ware with 8 hour regulators.
15:20 Maddox offsite with labware.

Sub Company	Equipment Used	Make	Model	Hours Used
NAEVA	GPR			2

Name of Visitor Onsite	Representing	Purpose	Duration Onsite
None			

Were There Any **Accidents** or **Incidents** Onsite? NO
If Yes Attach Accident or Incident Report and Take Photographs.

ERM Daily Field Report

Date: 12/07/11

Project Name: J&H IA/SS/OA/OSV sampling
Project Number: 0127194
Project Manager: John Mohlin
Completed By: J Maddox
Location: 40 Voice Rd Carle Place
Report No. 2

Temperature Range: 48 - 53 F
Rain /Snow Amount: Continuous 1.21"
Wind Speed: To 12 mph from NW
Time Onsite: 7:05
Time Offsite: 18:30
Photographs Taken: No

Sub Company Onsite	Crew Size	Supervisor	Task
None			

Work Activities completed today: (include production rates)

7:05 Maddox on site. Met with Rich Trevaskis to inform him of the work plan. Set up Summa canister pairs of IA and SS at 5 locations indoors, one OA at west end of treatment trailer, and soil vapor sample OSV-01 (see 12/5 report for details). Sampling is TO-15 for 8 hour interval during facility cold weather heating conditions. Observed sample draw on pressure gauges.
10:00 Maddox offsite.
14:05 Maddox onsite. Periodically checked pressure gauges on the 12 samples. Ended sampling at minimum pressures of -5" Hg. PID readings taken at each sample point. See sample log for details. Closed up SS sample points as completed. Note that two spare Summas are being kept on site for Q SVE emissions sampling next week.
18:30 Maddox offsite with the 12 samples. Sample pick up arranged with Accutest for Friday 12/9.

Sub Company	Equipment Used	Make	Model	Hours Used
None				

Name of Visitor Onsite	Representing	Purpose	Duration Onsite
None			

Were There Any **Accidents** or **Incidents** Onsite? NO
If Yes Attach Accident or Incident Report and Take Photographs.

Environmental Resources Management
~~520 Broadhollow Rd, Suite 210~~ 40 MARCUS
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name: J&H Manufacturing

Location: Carle Place, NY
Project Manager: John Mohlin
PIC: Mike Teetsel

Sample Location:	JMX J&H	Collector(s):	JMX
Address:	40 JMX MARCUS VOICE RD		
PID Meter Used: (Model, Serial #)	MINIRAE 2000 # 110-013465 [PINE RENTAL]		

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		SUBSTRUCTURE SOIL GAS		OUTDOOR AIR	
Sample ID:	JH-1A-01	Sample ID:	JH-SS-01 ~~A984~~ (JMX)	Sample ID:	
Canister Serial No.:	A279	Canister Serial No.:	A984	Canister Serial No.:	
Flow Controller Id No:	FC482	Flow Controller Id No:	FC292	Flow Controller Id No:	
Start Date/Time:	12/7/11 07:28	Start Date/Time:	12/7/11 07:28	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	>-30	Start Pressure: (inches Hg)	
Stop Date/Time:	12/7/11 14:33	Stop Date/Time:	12/7/11 16:09	Stop Date/Time:	
Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	0	PID Reading (ppm) Room & as purged	0	PID Reading (ppm)	
Story/Level	1	Basement or Crawl Space?	NA	Depth of Vapor Probe	
Room	CAFETERIA	Floor Slab Thickness (inches) *[if present]*		Distance from Building	
Indoor Air Temp (°F)	73	Potential Vapor Entry Points Observed?	73	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)	5'	Ground Surface Condition (Crawl Space Only)	TILED FLOOR	Intake Tubing used?	
Noticeable Odor?	NO	Noticeable Odor?	NO	Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O_2/CO_2/CH_4	NA	Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	

Comments:

~~13 & 14~~
OFF 14:33

9" @ 14:33
5.5" @ 15:38
OFF -4 @ 16:09

Signature: _____

Environmental Resources Management
520 Broadhollow Rd, Suite 210
~~Melville, NY 11747~~ 40 MARCUS
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:	0127194
Project Name:	J&H Manufacturing
Location:	Carle Place, NY
Project Manager:	John Mohlin
PIC:	Mike Teetsel

Sample Location:	J+H	Collector(s):	JMADDOX
Address:	40 VOICE RD		
PID Meter Used: (Model, Serial #)	MINIRAE # 110-013465		

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		SUBSTRUCTURE SOIL GAS		OUTDOOR AIR	
Sample ID:	JH-1A-02	Sample ID:	JH-SS-02	Sample ID:	
Canister Serial No.:	A995	Canister Serial No.:	A314	Canister Serial No.:	
Flow Controller Id No:	FC455	Flow Controller Id No:	FC338	Flow Controller Id No:	
Start Date/Time:	12/7/11 07:39	Start Date/Time:	12/7/11 07:39	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	> -30	Start Pressure: (inches Hg)	
Stop Date/Time:	12/7/11 16:15	Stop Date/Time:	12/7/11 17:22	Stop Date/Time:	
Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-5	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	0.2 ppm	PID Reading (ppm) Room & as purged	0.1 ppm	PID Reading (ppm)	
Story/Level	1	Basement or Crawl Space?	NA	Depth of Vapor Probe	
Room	REST ROOM	Floor Slab Thickness (inches) *[if present]*		Distance from Building	
Indoor Air Temp (°F)	79	Potential Vapor Entry Points Observed?	NO	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)	5'	Ground Surface Condition (Crawl Space Only)	-	Intake Tubing used?	
Noticeable Odor?		Noticeable Odor?	MACHINE OIL	Distance to nearest Roadway (ft.)	
Barometric Pressure (°Hg or mb)		Percent $O_2/CO_2/CH_4$	NG	Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	

Comments:

9@ 14:55
5.5@ 15:39
-4 @ 16:15
OFF

13@ 14:35
9.5@ 15:39
-5 17:22 OFF

Signature: _____

Environmental Resources Management
~~520 Broadhollow Rd, Suite 210~~ 40 MACCO'S
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name: J&H Manufacturing
Location: Carle Place, NY
Project Manager: John Mohlin
PIC: Mike Teetsel

Sample Location:	J+H
Address:	40 VOLCE RD
PID Meter Used: (Model, Serial #)	MINI RAE 2000 # 110-013465
Collector(s):	JMOHLIN

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		SUBSTRUCTURE SOIL GAS		OUTDOOR AIR	
Sample ID:	JH-1A-03	Sample ID:	JH-SS-03	Sample ID:	
Canister Serial No.:	A864	Canister Serial No.:	A048	Canister Serial No.:	
Flow Controller Id No:	FC 453	Flow Controller Id No:	FC 187	Flow Controller Id No:	
Start Date/Time:	12/7/11 07:53	Start Date/Time:	12/7/11 07:48	Start Date/Time:	
Start Pressure: (inches Hg)	30"	Start Pressure: (inches Hg)	>30"	Start Pressure: (inches Hg)	
Stop Date/Time:	12/7/11 15:51	Stop Date/Time:	12/7/11 16:30	Stop Date/Time:	
Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	0.1 ppm	PID Reading (ppm) Room & as purged	Ø	PID Reading (ppm)	
Story/Level	1	Basement or Crawl Space?	—	Depth of Vapor Probe	
Room	"BLACK HOLE"	Floor Slab Thickness (inches) *[if present]*	→	Distance from Building	
Indoor Air Temp (°F)	73	Potential Vapor Entry Points Observed?	NO	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)	5'	Ground Surface Condition (Crawl Space Only)	NA	Intake Tubing used?	
Noticeable Odor?		Noticeable Odor?	MACHINE OIL	Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O_2/CO_2/CH_4	NG	Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	

Comments:

ON @ 1437
OFF @ 15:51

10" @ 1437
6 @ 1551
OFF @ 16:30

Signature: JMOHLIN

Environmental Resources Management
~~620 Broadhollow Rd, Suite 210~~ 40 MAPLES
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name: J&H Manufacturing
Location: Carle Place, NY
Project Manager: John Mohlin
PIC: Mike Teetsel

Sample Location:	J+H	Collector(s):	JMADDOX
Address:	40 VOICE RD		
PID Meter Used: (Model, Serial #)	MINI RAE 2000 # 110-013465		

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		SUBSTRUCTURE SOIL GAS		OUTDOOR AIR	
Sample ID:	JH-1A-04	Sample ID:	JH-SS-04	Sample ID:	
Canister Serial No.:	A242	Canister Serial No.:	A254	Canister Serial No.:	
Flow Controller Id No:	FC236	Flow Controller Id No:	FC475	Flow Controller Id No:	
Start Date/Time:	12/7/11 07:59	Start Date/Time:	12/7/11 07:59	Start Date/Time:	
Start Pressure: (inches Hg)	29"	Start Pressure: (inches Hg)	>30	Start Pressure: (inches Hg)	
Stop Date/Time:	12/7/11 15:35	Stop Date/Time:	12/7/11 18:15	Stop Date/Time:	
Stop Pressure: (inches Hg)	-2	Stop Pressure: (inches Hg)	-5	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	0	PID Reading (ppm) Room & as purged	0	PID Reading (ppm)	
Story/Level	1	Basement or Crawl Space?	NO	Depth of Vapor Probe	
Room	~~Rinse Room~~ MIX CLEANING Room	Floor Slab Thickness (inches) *[if present]*	→	Distance from Building	
Indoor Air Temp (°F)	77°	Potential Vapor Entry Points Observed?	NO	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)	5'	Ground Surface Condition (Crawl Space Only)		Intake Tubing used?	
Noticeable Odor?	MACHINERY / OIL	Noticeable Odor?	→	Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent $O_2/CO_2/CH_4$		Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	

Comments:

5" @ 14:41 — OFF - 2 @ 15:35

13" @ 14:41
10 @ 15:35
5 17:15 OFF

Signature: JMADDOX

Environmental Resources Management
~~520 Broadhollow Rd, Suite 210~~ 40 MARCUS
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0127194
Project Name: J&H Manufacturing
Location: Carle Place, NY
Project Manager: John Mohlin
PIC: Mike Teetsel

Sample Location:	J+H	Collector(s):	JOHNSON
Address:	40 VALLEY RD		
PID Meter Used: (Model, Serial #)	MINI RAE 2000 II 110-013465		

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		SUBSTRUCTURE SOIL GAS		OUTDOOR AIR	
Sample ID:	JH-IA-05	Sample ID:	JH-SS-05	Sample ID:	
Canister Serial No.:	A283	Canister Serial No.:	A168	Canister Serial No.:	
Flow Controller Id No:	FC379	Flow Controller Id No:	FC464	Flow Controller Id No:	
Start Date/Time:	12/7/11 08:09	Start Date/Time:	12/7/11 08:09	Start Date/Time:	
Start Pressure: (inches Hg)	30"	Start Pressure: (inches Hg)	>30	Start Pressure: (inches Hg)	
Stop Date/Time:	12/7/11 16:05	Stop Date/Time:	12/7/11 16:48	Stop Date/Time:	
Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-4.5	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	0.4 ppm	PID Reading (ppm) Room & as purged	Ø	PID Reading (ppm)	
Story/Level	1	Basement or Crawl Space?	NO	Depth of Vapor Probe	
Room	STAGING ROOM	Floor Slab Thickness (inches) *(if present)*	→	Distance from Building	
Indoor Air Temp (°F)	(JH) 79° 77°	Potential Vapor Entry Points Observed?	NO	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)	5'	Ground Surface Condition (Crawl Space Only)	-	Intake Tubing used?	
Noticeable Odor?	MACHINERY/OIL	Noticeable Odor?	→	Distance to nearest Roadway (ft.)	
Barometric Pressure (“Hg or mb)		Percent O_2/CO_2/CH_4		Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	

Comments:

8"e 14:43	11"e 14:43
5.5e 15:33	6.5e 15:33
(OFF) -4 16:05	4.5e 16:48 (OFF)

Signature: JOHNSON

Environmental Resources Management
~~520 Broadhollow Rd, Suite 210~~ 40 MARCUS
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:	0127194
Project Name:	J&H Manufacturing
Location:	Carle Place, NY
Project Manager:	John Mohlin
PIC:	Mike Teetsel

Sample Location:	JH	Collector(s):	JMADDOX
Address:	40 VOICE RD		
PID Meter Used: (Model, Serial #)	MINI RAE 2000 # 110-013465		

SUMMA Canister Record:

~~INDOOR AIR (slab-on-grade, 1st floor)~~ OA		OUTDOOR ~~SUBSTRUCTURE~~ SOIL GAS		OUTDOOR AIR	
Sample ID:		Sample ID:	JH-OSG-01	Sample ID:	JH-OA-01
Canister Serial No.:		Canister Serial No.:	A224	Canister Serial No.:	A475
Flow Controller Id No:		Flow Controller Id No:	FC437	Flow Controller Id No:	FC480
Start Date/Time:		Start Date/Time:	12/7/11 0819	Start Date/Time:	12/7/11 0815
Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	30	Start Pressure: (inches Hg)	30
Stop Date/Time:		Stop Date/Time:	12/7/11 16:59	Stop Date/Time:	12/7/11 16:53
Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	-4.5	Stop Pressure: (inches Hg)	-4

Other Sampling Information:

PID Reading (ppm)		PID Reading (ppm) Room & as purged	Ø	PID Reading (ppm)	Ø
Story/Level		~~Basement or Crawl Space?~~ Temp	59°	~~Depth of Vapor Probe~~ TEMP	~~45°F~~ 63°
Room		Floor Slab Thickness (inches) *[if present]*	NA	Distance from Building	5
Indoor Air Temp (°F)		~~Potential Vapor Entry Points Observed?~~ DEPTH OF PROBE	-5' bgs	Intake Height Above Ground Level (ft.)	5'
Intake Height Above Floor Level (ft.)		Ground Surface Condition ~~(Crawl Space Only)~~	ASPHALT	Intake Tubing used?	NO
Noticeable Odor?		Noticeable Odor?	NO	Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O_2/CO_2/CH_4	NG	Noticeable Odor?	NO
Duplicate Sample?		Duplicate Sample?	NO	Duplicate Sample?	NO

Comments:

JH-OSG-01 WAS INSTALLED 12/5/11 AFTER UTILITY SURVEY. POINT IS 30.5' SSE OF SE CORNER OF BLDG, AND 5.5' WEST OF WIRE FENCE. TUBING WAS PURGED AT 0.2 L/MIN AND HELIUM LEAK TEST CONDUCTED. He = 50ppm. 12/5 SAMPLING WAS ABORTED. 12/7/11 - TUBING PURGED AND SAMPLED AS ABOVE.

" 11 @ 14:49   10 @ 14:49

Signature: [signature]   8 @ 15:45   7 @ 15:45

February 2012

OSR – 3

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 Eugene Gabay Date/Time Prepared 2/9/12

Preparer's Affiliation ERM Phone No. 516-250-6155/631-756-8900

Purpose of Investigation Ongoing Vapor Intrusion Investigation

1. OCCUPANT: Facility Manager

Interviewed: Y / N

Last Name: Trevaskis First Name: Rich

Address: 40 Voice Rd. Carle Place, NY 11514

County: Nassau

Home Phone: NA Office Phone: 516-742-3333

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: **Y / N**

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

11:00 E. Gabay arrives on-site and speaks to Rich Trevaskis to inquire about the use of chlorinated solvents inside the building during the last sampling round conducted in December 2011 which caused PCE detections in indoor air at levels higher than what was detected in the sub-slab. He said they have since removed all material containing chlorinated solvents from the building and wasn't sure why the chlorinated material was being used during the last event.

He said he believes they may have gotten the wrong shipment from the manufacturer. He explained that employees have been informed that no chlorinated compounds can be used on site so we should have no further issue.

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:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Metal Stamping

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

Other characteristics:

Number of floors 1 Building age_____

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

Ceiling Insulated Not walls

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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 _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

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

The primary type of fuel used is:

Natural Gas	Fuel Oil (Backup)	Kerosene	
Electric	Propane	Solar	
Wood	Coal		

Domestic hot water tank fueled by: Nat Gas/Electric

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units (Office) Open Windows (Main Area) 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.

Modine hot air blowers (ceiling mounted) & Space heaters

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	None
1st Floor	Always occupied by employees
2nd Floor	None
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 Propane forklifts
Please specify

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? entire b/dg.

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?

Propane annealing line

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: Yes / oil lube smell from stamping machines & storage

Do any of the building occupauts 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: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

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

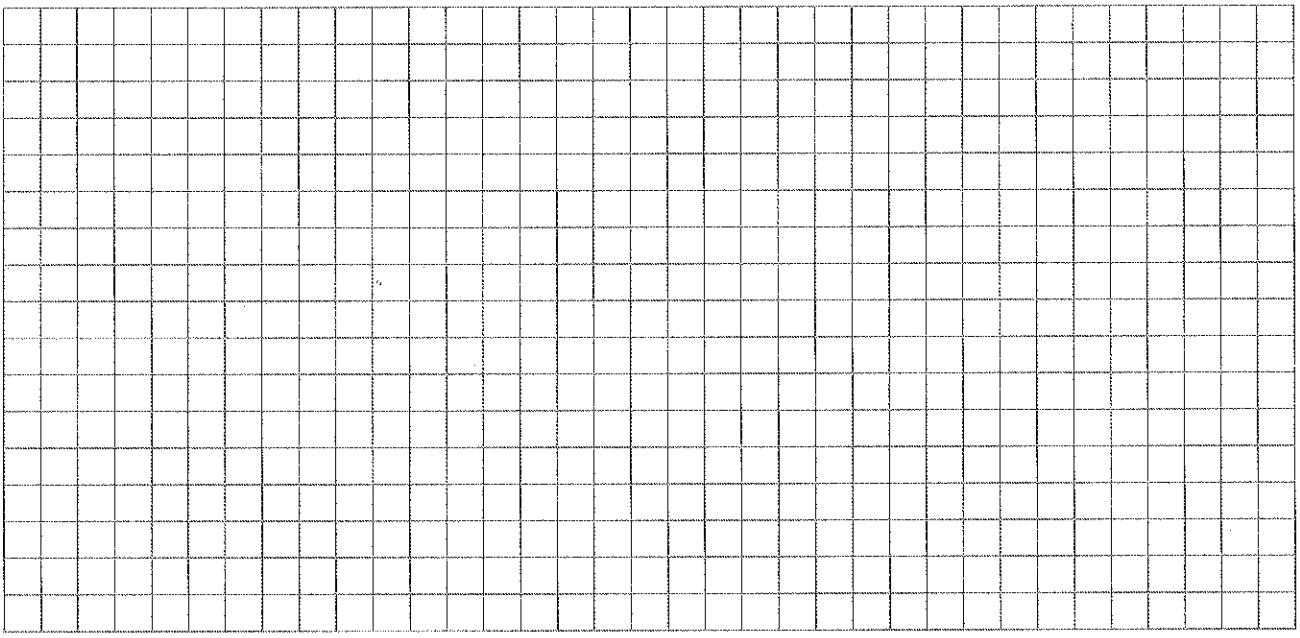
c. Responsibility for costs associated with reimbursement explained? Y / N

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

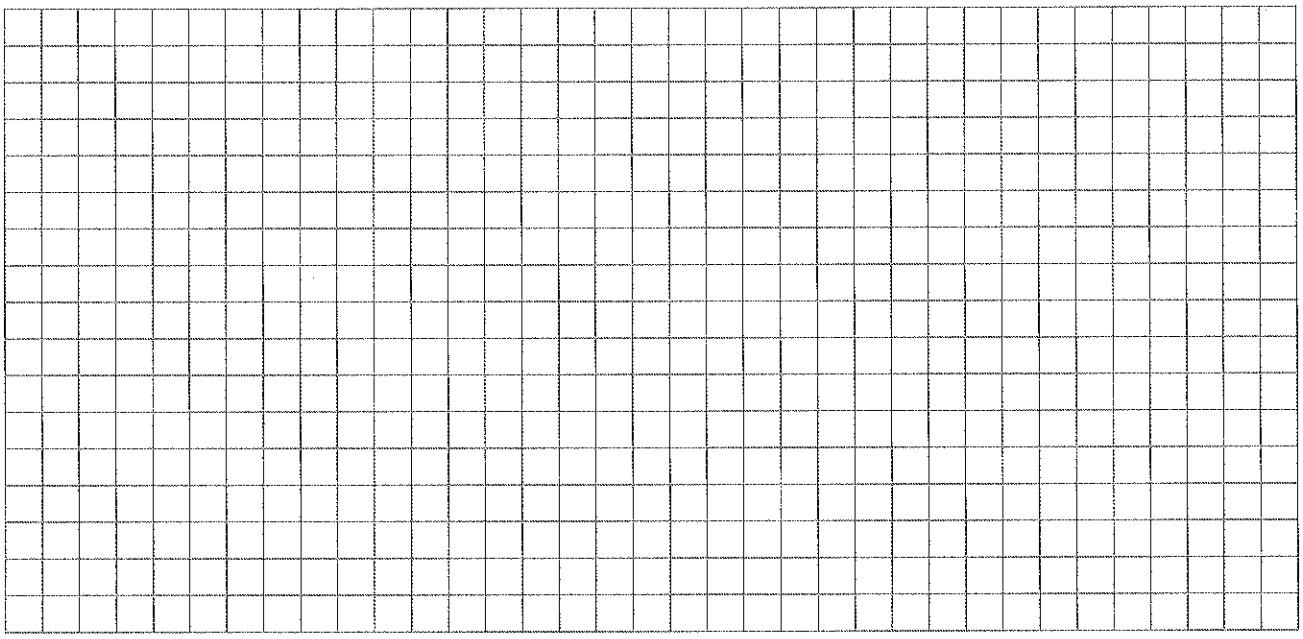
11. FLOOR PLANS

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:



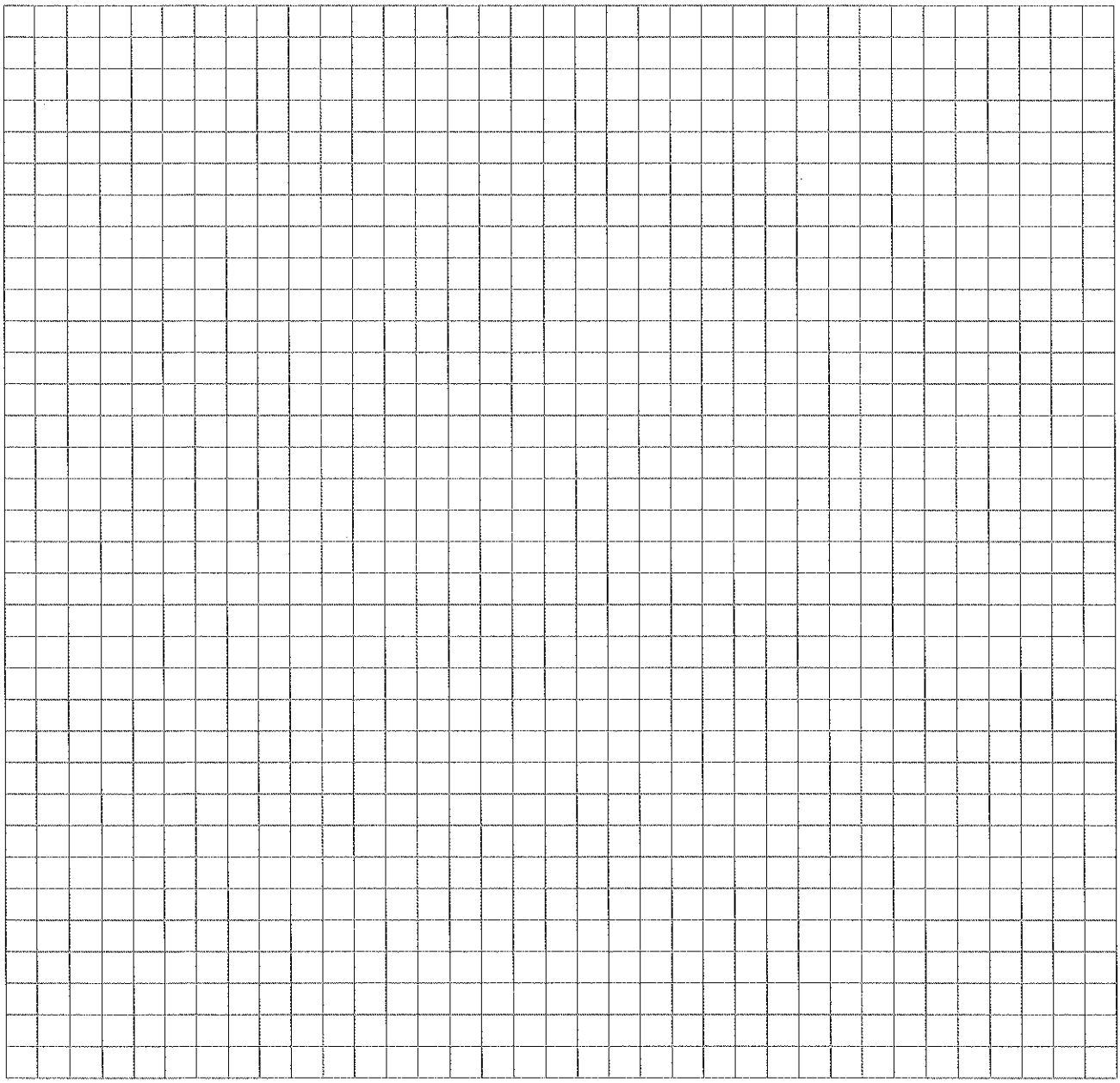
First Floor:



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.



13. PRODUCT INVENTORY FORM

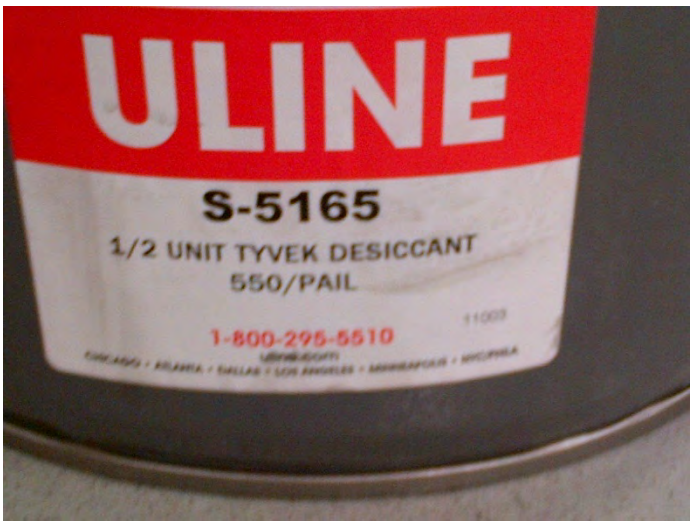
Make & Model of field instrument used: _____

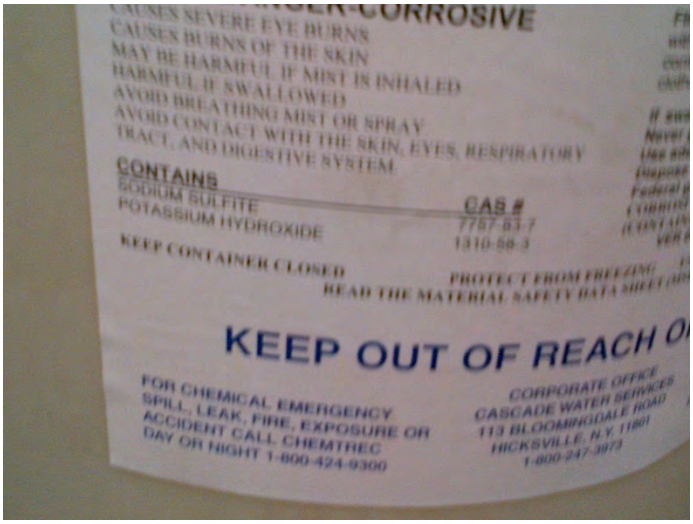
List specific products found in the residence that have the potential to affect indoor air quality.

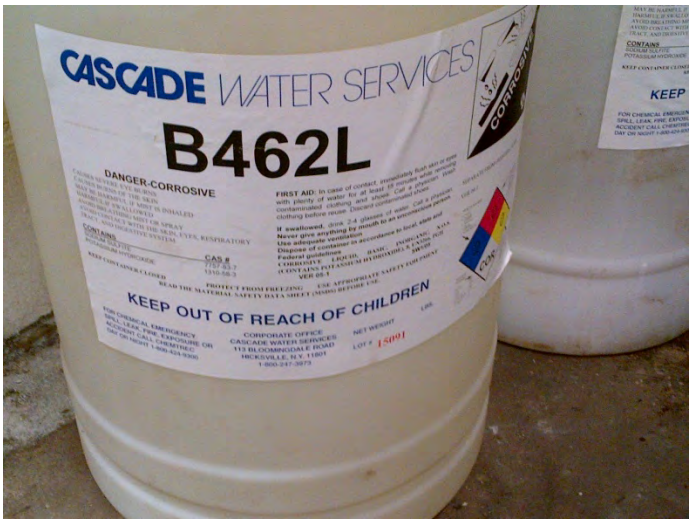
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	See photo Log					

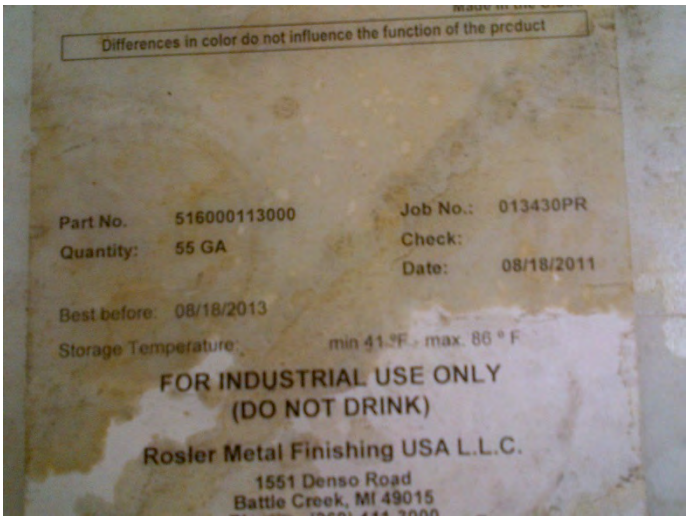
* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must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

Product Inventory Photo Log
Johnson & Hoffman Former Manufacturing Corp.
February 2012



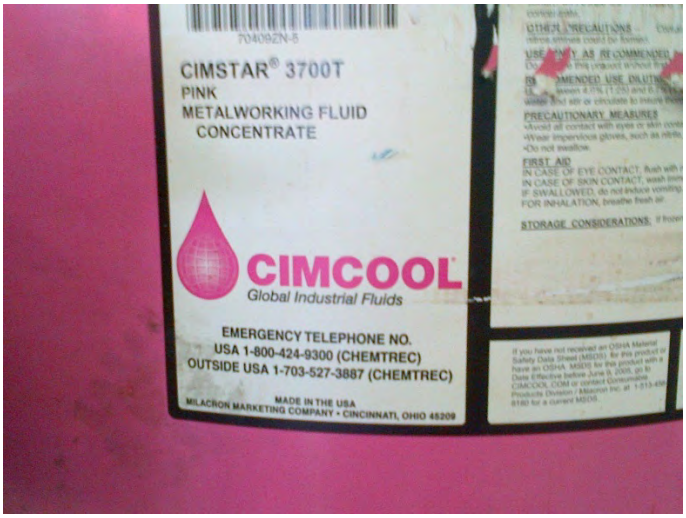



CASCADE WATER SERVICES
B462L
DANGER-CORROSIVE
KEEP OUT OF REACH OF CHILDREN


Differences in color do not influence the function of the product
Part No. 516000113000
Quantity: 55 GA
Job No.: 013430PR
Check:
Date: 08/18/2011
Best before: 08/18/2013
Storage Temperature: min 41 °F - max. 86 ° F
FOR INDUSTRIAL USE ONLY
(DO NOT DRINK)
Rosler Metal Finishing USA L.L.C.
1551 Denso Road
Battle Creek, MI 49015


RÖSLER
finding a better way ...
ZF Compound
ZF 113
Made in the U.S.A.
Differences in color do not influence the function of the product
Part No. 516000113000
Quantity: 55 GA
Job No.: 013430PR
Check:
Date: 08/18/2011
Best before: 08/18/2013
Storage Temperature: min 41 °F - max. 86 ° F
FOR INDUSTRIAL USE ONLY
(DO NOT DRINK)
Rosler Metal Finishing USA L.L.C.
1551 Denso Road
Battle Creek, MI 49015


RUSTAREST 53215
LOT: 90272
PT53215-12
PPG

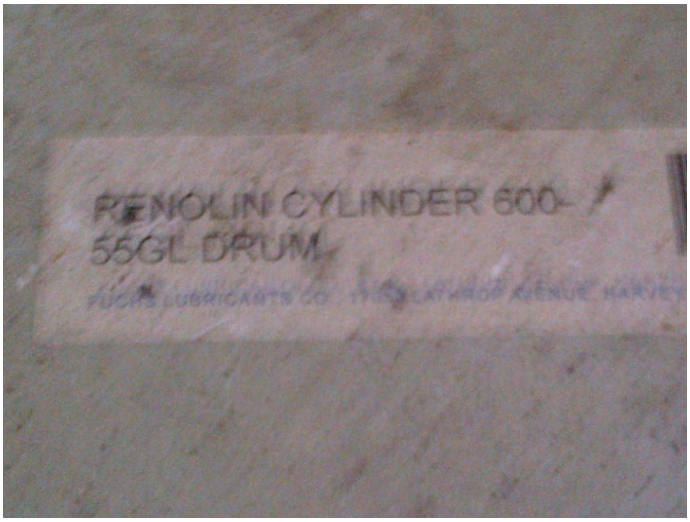

CIMSTAR® 3700T
PINK
METALWORKING FLUID
CONCENTRATE
CIMCOOL
Global Industrial Fluids
EMERGENCY TELEPHONE NO.
USA 1-800-424-9300 (CHEMTREC)
OUTSIDE USA 1-703-527-3887 (CHEMTREC)
MADE IN THE USA
MILACRON MARKETING COMPANY • CINCINNATI, OHIO 45209
PRECAUTIONARY MEASURES
FIRST AID
STORAGE CONSIDERATIONS:


Chem-Crest®
918
FIRST AID:
EYES -
SKIN -
INHALATION -
INGESTION -
STORAGE:
Crest Ultrasonics Corp.


simple green


ECOCUT LCO 3-55GL DRU
FUCHS LUBRICANTS CO. 17050 Lathrop Avenue Harvey, Illi

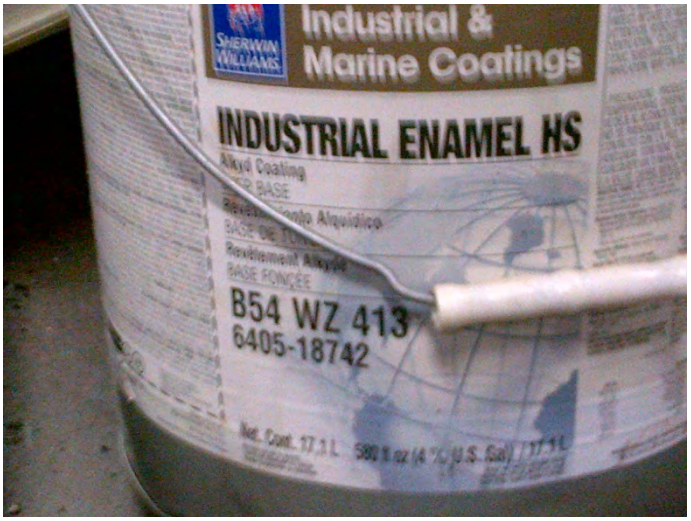

RENOLIN CYLINDER 600-
55GL DRUM
FUCHS LUBRICANTS CO.


RENOLIN CYLINDER 600-
55GL DRUM


EVERFORM

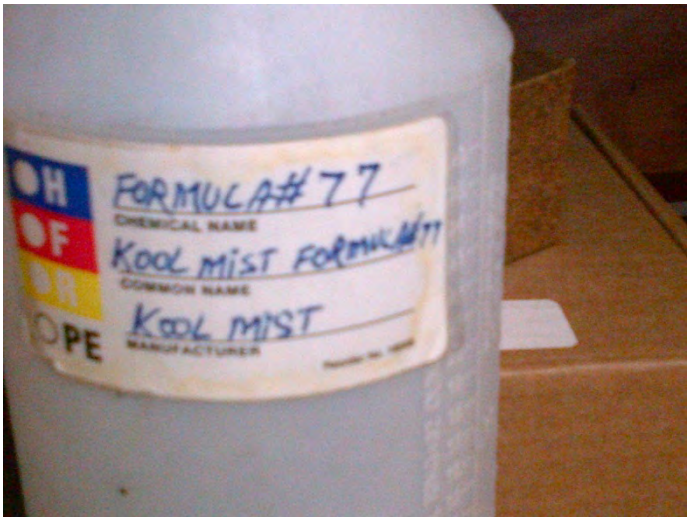

Vanishing Oil
6912
Changed over to
Martol
EV 622
5


RECOOL 590
Recool
590


SHERWIN WILLIAMS
Industrial &
Marine Coatings
INDUSTRIAL ENAMEL HS
B54 WZ 413
6405-18742


40


uvex clear
and Silicone Free
Cleaning Solution
cially formulated for
uvex coatings
de alcohol y silicón
ción limpiadora para lentes
mulada especialmente
todo tipo de
estimiento uvex


FORMULA#77
CHEMICAL NAME
KOOL MIST FORMULA#77
COMMON NAME
KOOL MIST
MANUFACTURER


RFACE PLATE CLEANE
E SURFACE PLATES: BLACK, GRAY OR PA
RESIDUE FREE
NON – FLAMMABL


Castrol
Moly-Dee
Tapping Fluid


CRC
Industrial
3-36
Multi-Purpose Lubricant
& Corrosion Inhibitor
Lubricante para fines múltiples
e inhibidor de la corrosión
NSF

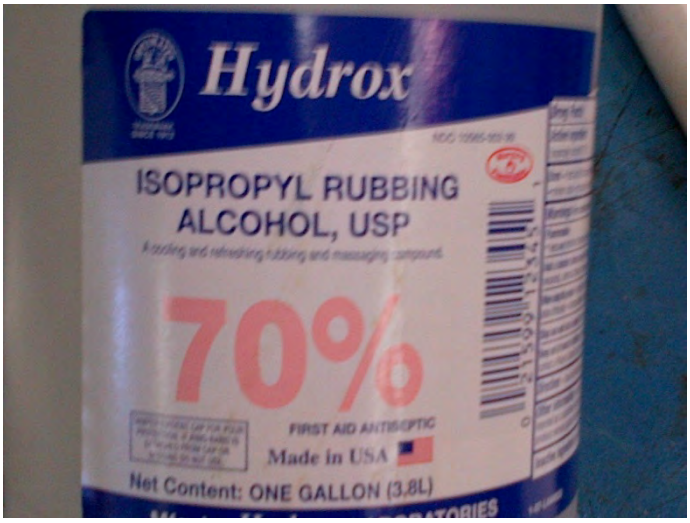

winbro
TAPFREE
2
ENVIRONMENTALLY SAFE
CUTTING FLUID


LOCTITE
680
RETAINING COMPOUND
SLIP FIT
68035


STEEL BLUE
WARNING!

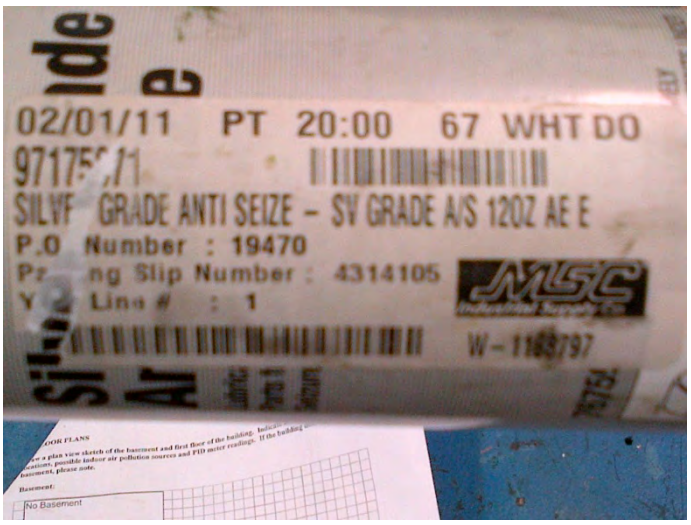

Sea Bowld
HEAVY DUTY
BILGE
CLEANER
BIO-DEGRADABLE
ves and eliminates
rease, gasoline,
m, sludge.
Leaves bilge clean
and sweet smelling.

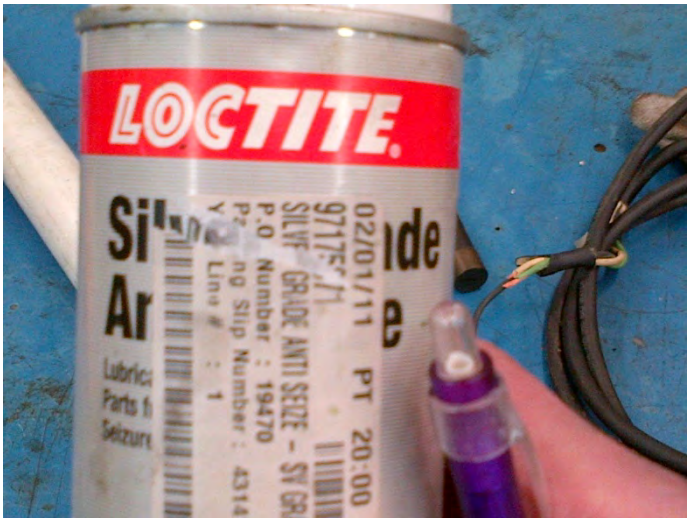

GUNK
Brake
Parts Cleaner
NON-CHLORINATED
21-93
MADE IN JAPAN


Hydrox
ISOPROPYL RUBBING
ALCOHOL, USP
70%
FIRST AID ANTISEPTIC
Made in USA
Net Content: ONE GALLON (3.8L)


Oatey
HANDY PACK
CONJUNTO UTILITARIO
#3024
REGULAR • CLEAR
PVC CEMENT
FOR CPVC, PVC
PURPLE PRIMER
Ideal size for most PVC pipe installations!
¡Tamaño ideal para la mayoría de instalaciones de tuberías de PVC!
COMÚN • TRANSPARENTE
CEMENTO PVC
PARA CPVC, PVC
IMPRIMADOR PÚRPURA


GUNK
INDUSTRIAL
Contact Cleaner
Quick Drying
High Dielectric Strength
Plastic Safe
No Residue


02/01/11 PT 20:00 67 WHT DO
SILVF GRADE ANTI SEIZE - SV GRADE A/S 12OZ AE E
P.O Number : 19470
Slip Number : 4314105
Line # : 1
MSC
No Basement


LOCTITE


PPG
Pretreatment & Specialty Products
GILLITE 71
LOT: 58015
PT61317-02
PPG


AEON
4000
ROTARY SCREW COMPRESSOR
SEMI-SYNTHETIC PETROLEUM BASED


Starrett
M1
All Purpose Lubricant
Penetrates
Prevents Rust • Lubricates
Cleans • Stops Squeaks


ONE-STEP DISINFECTANT
simple green d Pro 5
CLEANER - SANITIZER - FUNGICIDE
MILDEWSTAT - VIRUCIDE - DEODORIZER
FOR INSTITUTIONAL & INDUSTRIAL USE
KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO


Wipe Away
Lemon
Disinfectant Cleaner
ONE-STEP DISINFECTANT GERMICIDAL DETERGENT AND DEODORANT
KEEP OUT OF REACH OF CHILDREN
DANGER
128 FL OZ (3.79 L) 1 GAL


Procter&Gamble
PROFESSIONAL
Spic Span
Ready-to-Use
Disinfecting
All-Purpose Spray
and Glass Cleaner
Listo para Usar
Desinfectante
para Todo Uso y
Limpiavidrios
CAUTION:
MANTENGA FUERA DEL ALCANCE
DE LOS NIÑOS
PRECAUCIÓN:
945 mL/32 FL OZ (US)


KEROSENE
SAFETY CAN


FUEL FOR
WEED EATER
ONLY


STA
CRETE
EPOXY SYSTEM
PART A RESIN


Devcon
Flexane®
High
Performance
Brushable
FOR INDUSTRIAL USE ONLY!


RUST-OLEUM
STOPS
RUST
PROTECTIVE COATING
SUNSET YELLOW 7745


RUST-OLEUM
STOPS RUST
PROTECTIVE COATING
SUNSET YELLOW 7745


Klean Strip
Painters HELPER
No Sand
Pre-Paint
Surface Preparation
Cleans and deglosses old finish.
Makes paint and stain stick without sanding.
No Sanding Needed
No Sand Preparacion de Superficies


TARGET
Tool & Die Saver
Agent protecteur
pour outils et
matrices


DRY-FILM PROTECTION
RUST VETO
EXCELLENT RUST PREVENTATIVE


DoALL
GAGE BLOCK
CLEANER

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager:
PIC:

Sample Location:		Collector(s):	Jonathan
Address:	40 Voice Rd Carle Place		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

Subsurface		Subsurface		Subsurface	
Sample ID:	JH-SS-03	Sample ID:	JH-SS-02	Sample ID:	JH-SS-01
Canister Serial No.:	A1031	Canister Serial No.:	A1035	Canister Serial No.:	A199
Flow Controller Id No:	FC436	Flow Controller Id No:	FC138	Flow Controller Id No:	FC192
Start Date/Time:	2/10/12 07:29	Start Date/Time:	2/10/12 07:19	Start Date/Time:	2/10/12 07:15
Start Pressure: (inches Hg)	30"	Start Pressure: (inches Hg)	30"	Start Pressure: (inches Hg)	30
Stop Date/Time:	2/10/12 16:07	Stop Date/Time:	2/10/12 15:42	Stop Date/Time:	2/10/12 16:04
Stop Pressure: (inches Hg)	4	Stop Pressure: (inches Hg)	5	Stop Pressure: (inches Hg)	4.5

Other Sampling Information:

PID Reading (ppm)		PID Reading (ppm)		PID Reading (ppm)	
Depth of Vapor Probe	6	Depth of Vapor Probe		Depth of Vapor Probe	
Location		Location	Restroom	Location	Cafeteria
Air Temperature	68	Air Temperature	68	Air Temperature	68
Barometric pressure, " Hg		Barometric pressure, " Hg		Barometric pressure, " Hg	
Noticeable Odor?	Yes	Noticeable Odor?	Yes	Noticeable Odor?	No
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No
Intake Tubing used?	Yes	Intake Tubing used?	Yes	Intake Tubing used?	Yes

Comments:

SVE off since 1/21/12

08:05 - 29.5" 08:07 - 29" 08:10 29"

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager:
PIC:

Sample Location:		Collector(s):	
Address:			
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

Subsurface		Subsurface		Subsurface	
Sample ID:	VA-SS-04	Sample ID:	VH-SS-05	Sample ID:	
Canister Serial No.:	A-1033	Canister Serial No.:	A1032	Canister Serial No.:	
Flow Controller Id No:	FC 499	Flow Controller Id No:	FC524	Flow Controller Id No:	
Start Date/Time:	2/10/12 07:39	Start Date/Time:	2/10/12 07:45	Start Date/Time:	
Start Pressure: (inches Hg)	30"	Start Pressure: (inches Hg)	28"	Start Pressure: (inches Hg)	
Stop Date/Time:	2/10/12 15:46	Stop Date/Time:	2/10/12 16:00	Stop Date/Time:	
Stop Pressure: (inches Hg)	5	Stop Pressure: (inches Hg)	4	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)		PID Reading (ppm)		PID Reading (ppm)	
Depth of Vapor Probe		Depth of Vapor Probe		Depth of Vapor Probe	
Location		Location		Location	
Air Temperature	70°	Air Temperature	66°	Air Temperature	
Barometric pressure, " Hg		Barometric pressure, " Hg		Barometric pressure, " Hg	
Noticeable Odor?	YES	Noticeable Odor?	YES	Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	
Intake Tubing used?	YES	Intake Tubing used?	YES	Intake Tubing used?	

Comments:

SVE OFF SINCE 1/24/12.

0814 - 29" 0" 0818 - 27"

Signature: _____

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager:
PIC:

Sample Location:	JH	Collector(s):	J MADDOX
Address:	40 Vance DR		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID:	JH-1A-03	**Sample ID:**	JH-1A-02	**Sample ID:**	JH-1A-01
Canister Serial No.:	A1034	Canister Serial No.:	A1049	Canister Serial No.:	A1040
Flow Controller Id No:	FC405	Flow Controller Id No:	FC493	Flow Controller Id No:	FC407
Start Date/Time:	2/10/12 07:32	Start Date/Time:	2/10/12 07:23	Start Date/Time:	2/10/12 07:11
Start Pressure: (inches Hg)	29"	Start Pressure: (inches Hg)	< 30"	Start Pressure: (inches Hg)	30"
Stop Date/Time:	2/10/12 15:41	Stop Date/Time:	2/10/12 16:20	Stop Date/Time:	2/10/12 15:44
Stop Pressure: (inches Hg)	3.5	Stop Pressure: (inches Hg)	5	Stop Pressure: (inches Hg)	3.5

Other Sampling Information:

PID Reading (ppm)		PID Reading (ppm)		PID Reading (ppm)	
Story/Level	1	Story/Level	1	Story/Level	1
Room		Room		Room	
Air Temp (°F)	68	Air Temp (oF)	68	Air Temp (oF)	68°
Barometric Pressure ("Hg or mb)		Barometric Pressure ("Hg or mb)		Barometric Pressure ("Hg or mb)	

Comments:

SVE off since 1/24/12
0803 = 28"
08:08 <30"
08:11 - 27.5"

Signature: J Maddox

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: J McLaughlin
PIC: M Tester

Sample Location:		Collector(s):	J Maddox
Address:	40 Voice Rd		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID: JH-1A-04		**Sample ID:** JH-1A-05		**Sample ID:**	
Canister Serial No.:	A1030	Canister Serial No.:	A1050	Canister Serial No.:	
Flow Controller Id No:	FC 462	Flow Controller Id No:	FC481	Flow Controller Id No:	
Start Date/Time:	2/10/12 07:35	Start Date/Time:	2/10/12 07:46	Start Date/Time:	
Start Pressure: (inches Hg)	30"	Start Pressure: (inches Hg)	< 30"	Start Pressure: (inches Hg)	
Stop Date/Time:	2/10/12 14:02	Stop Date/Time:	2/10/12 16:34	Stop Date/Time:	
Stop Pressure: (inches Hg)	4.5	Stop Pressure: (inches Hg)	5	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)		PID Reading (ppm)		PID Reading (ppm)	
Story/Level	1	Story/Level	1	Story/Level	
Room		Room		Room	
Air Temp (°F)	70°	Air Temp (oF)	66	Air Temp (oF)	
Barometric Pressure ("Hg or mb)		Barometric Pressure ("Hg or mb)		Barometric Pressure ("Hg or mb)	

Comments:

SVE off since 1/21/12
08:15 - 29" 08:17 - < 30"

Signature: J Maddox

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: JOHN MORLIN
PIC: MIKE FEDEL

Sample Location:		Collector(s):	J MADDOX
Address:	40 VALE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

Outdoor Air		Outdoor Air		Outdoor Air	
Sample ID: JH-OA-01		Sample ID:		Sample ID:	
Canister Serial No.: A1036	A1036	Canister Serial No.:		Canister Serial No.:	
Flow Controller Id No: FC456	FC456	Flow Controller Id No:		Flow Controller Id No:	
Start Date/Time: 2/10/12 07:02	2/10/12 07:02	Start Date/Time:		Start Date/Time:	
Start Pressure: (inches Hg)	30" 15:35	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	
Stop Date/Time:	2/10/12	Stop Date/Time:		Stop Date/Time:	
Stop Pressure: (inches Hg)	5"	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	
Other Sampling Information:					
PID Reading (ppm)	AT SP CARBON VESSEL #1	PID Reading (ppm)		PID Reading (ppm)	
Location		Location		Location	
Air Temperature	32°	Air Temperature		Air Temperature	
Barometric pressure, " Hg		Barometric pressure, " Hg		Barometric pressure, " Hg	
Noticeable Odor?	YES	Noticeable Odor?		Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?		Duplicate Sample?	
Intake Tubing used?	NO	Intake Tubing used?		Intake Tubing used?	

Comments:

SVE HAS BEEN OFF SINCE 1/24/12
08:00 - 28.5"

Signature: [signature]

December 2012

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

J+H

Project #:
Project Name: J+H VAPOR
Location:
Project Manager: JOHN MORLEY
PIC: JM Rocco

Sample Location:	RESTROOM HALLWAY CAFETERIA	Collector(s):	
Address:	40 VALE RD CARLE PLACE ~~INSIDE WEST REAR DOOR~~	JMX	
PID Meter Used: (Model, Serial #)	MINI RAE 2000 S/N 03710 (PINE)		

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID: JH-1A-01		Sample ID: JH-1A-02		Sample ID: JH-1A-03	
Canister Serial No.:	A875	Canister Serial No.:	A221	Canister Serial No.:	A196
Flow Controller Id No:	FC418	Flow Controller Id No:	FC433	Flow Controller Id No:	FC365
Start Date/Time:	12/3/12 0733	Start Date/Time:	12/3/12 0741	Start Date/Time:	12/3/12 0753
Start Pressure: (inches Hg)	>30"	Start Pressure: (inches Hg)	>30"	Start Pressure: (inches Hg)	>30
Stop Date/Time:	12/3/12 1628	Stop Date/Time:	12/3/12 1627	Stop Date/Time:	12/3/12 1623
Stop Pressure: (inches Hg)	4"	Stop Pressure: (inches Hg)	4"	Stop Pressure: (inches Hg)	4.5"

Other Sampling Information:

PID Reading (ppm)	Ø	PID Reading (ppm)	Ø	PID Reading (ppm)	Ø
Story/Level	1	Story/Level	1	Story/Level	1
Room	CAFETERIA	Room	OUTSIDE RESTROOMS	Room	INSIDE REAR WEST DOOR
Air Temp (°F)	68°	Air Temp (oF)	64°	Air Temp (oF)	63°
Barometric Pressure ("Hg or mb)	30.17-30.22	Barometric Pressure ("Hg or mb)	←	Barometric Pressure ("Hg or mb)	←

Comments:

SVE OFF 11/30/12 14:00
SAMPLE TUBING INTAKE AT 5' bgs

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: MOHLIN
PIC: ROCCO

Sample Location:	J+H	Collector(s):	J MASSEY
Address:	40 JOICE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID:	JH-1A-04	Sample ID:	JH 1A-05	Sample ID:	
Canister Serial No.:	A218	Canister Serial No.:	A642	Canister Serial No.:	
Flow Controller Id No:	FC 347	Flow Controller Id No:	FC529	Flow Controller Id No:	
Start Date/Time:	12/3/12 0900	Start Date/Time:	12/3/12 0811	Start Date/Time:	
Start Pressure: (inches Hg)	>30"	Start Pressure: (inches Hg)	>30	Start Pressure: (inches Hg)	
Stop Date/Time:	12/3/12 1612	Stop Date/Time:	12/3/12 1647	Stop Date/Time:	
Stop Pressure: (inches Hg)	4.5	Stop Pressure: (inches Hg)	4"	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	ϕ	PID Reading (ppm)	ϕ	PID Reading (ppm)	
Story/Level	1	Story/Level	1	Story/Level	
Room	CLEANING ROOM	Room	STAGING ROOM	Room	
Air Temp (°F)	70°	Air Temp (oF)	72°	Air Temp (oF)	
Barometric Pressure ("Hg or mb)	30.17 - 30.22	Barometric Pressure ("Hg or mb)	←	Barometric Pressure ("Hg or mb)	

Comments:

SVE OFF 11/30/12 14:00
SAMPLE TUBING INLET AT 5' AGS

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: MOHLER
PIC: ROCCO

Sample Location:	JH	Collector(s):	MADDOX
Address:	46 Vaca Rd		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

	Outdoor Air	Outdoor Air	Outdoor Air
Sample ID:	JH-OA-01		
Canister Serial No.:	AB14		
Flow Controller Id No:	FC 455		
Start Date/Time:	12/3/12 0845		
Start Pressure: (inches Hg)	>30		
Stop Date/Time:	12/3/12 1657		
Stop Pressure: (inches Hg)	5"		

Other Sampling Information:

PID Reading (ppm)	0		
Location	WEST END OF TREATMENT TRAILER AFTER CARBON		
Air Temperature	50°		
Barometric pressure, " Hg	30.17 - 30.22		
Noticeable Odor?	NO		
Duplicate Sample?	NO		
Intake Tubing used?	NO		

Comments:

SVE OFF 11/30/12 14:00
SAMPLE TUBING INLET AT 5' BGS

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: MOHLER
PIC: ROCCO

Sample Location:	JH	Collector(s):	JMADDOX
Address:	40 VOICE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

	Subsurface	Subsurface	Subsurface
Sample ID:	JH-SS-04	JH-SS-05	
Canister Serial No.:	A813	A310	
Flow Controller Id No:	FC139	FC283	
Start Date/Time:	12/3/12 0758	12/3/12 0809	
Start Pressure: (inches Hg)	30" 1529	>30	
Stop Date/Time:	12/3/12	12/3/12 1647	
Stop Pressure: (inches Hg)	3.5	4	

Other Sampling Information:

PID Reading (ppm)	37.5	Ø	
Depth of Vapor Probe			
Location	CLEANING ROOM	STAGING ROOM	
Air Temperature	70°	72°	
Barometric pressure, " Hg			
Noticeable Odor?	YES	YES	
Duplicate Sample?	NO	NO	
Intake Tubing used?	YES	YES	

Comments:

SVE off 11/30/12 14:00

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: J MAHLIN
PIC: J ROCCO

Sample Location:	#4 JTH	Collector(s):	MADDOX
Address:	40 VOICE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

Subsurface		Subsurface		Subsurface	
Sample ID:	JH-SS-01	Sample ID:	JH-SS-02	Sample ID:	JH-SS-03
Canister Serial No.:	A1035	Canister Serial No.:	A1024	Canister Serial No.:	A1020
Flow Controller Id No:	FC 436	Flow Controller Id No:	FC431	Flow Controller Id No:	FC 354
Start Date/Time:	12/3/12 0732	Start Date/Time:	12/3/12 0738	Start Date/Time:	12/3/12 0752
Start Pressure: (inches Hg)	>30"	Start Pressure: (inches Hg)	>30"	Start Pressure: (inches Hg)	>30
Stop Date/Time:	12/3/12 1608	Stop Date/Time:	12/3/12 1644	Stop Date/Time:	12/3/12 1623
Stop Pressure: (inches Hg)	4.5	Stop Pressure: (inches Hg)	5	Stop Pressure: (inches Hg)	4.5

Other Sampling Information:

PID Reading (ppm)	Ø	PID Reading (ppm)	Ø	PID Reading (ppm)	Ø
Depth of Vapor Probe		Depth of Vapor Probe		Depth of Vapor Proba	
Location	CAFETERIA	Location	ASTRoom HALLWAY	Location	INSIDE REAR WEST DOOR
Air Temperature	68°	Air Temperature	64°	Air Temperatura	63°
Barometric pressure, " Hg		Barometric pressure, " Hg		Barometric pressure, " Hg	
Noticeable Odor?	NO	Noticeable Odor?	YES	Noticeable Odor?	YES
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	NO
Intake Tubing used?	YES	Intake Tubing used?	YES	Intake Tubing used?	YES

Comments:

SVE OFF 12/3/12 14:00

Signature: John Maddox

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: TM-11/26/2012-7 | PAGE 1 OF 2

Lab Quote #: | Lab Job #:

Client / Reporting Information

Company Name: ERM
Address: 40 MARCUS DR STE 200
City: MELVILLE State: NY Zip: 11747
Project Contact: JOHN.MORLINO@ERM.COM E-mail:
Phone #: 631 756 8900 Fax #:
Sampler(s) Name(s): MADDOX

Project Name: JH
Street: 40 VOICE RD
City: CARLE PLACE State: NY
Project #:
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmospheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment:

Requested Analysis

Standard TO-15 Reporting List

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List
	JH-SS-04	SV	A813	6L	FC283	12/3/12	~~0809~~ 0758	>30	70	JMX	12/3/12	1529	3.5	71	JMX	1
	JH-SS-01	SV	A1035		FC436		0732	>30	68			1603	4.5	70		1
	JH-1A-04	IA	A218		FC347		0800	>30	70			1612	4.5	71		1
	JH-SS-03	SV	A102		FC394		0757	>30	63			1623	4.5	65		1
	JH-1A-03	IA	A196		FC365		0753	>30	63			1623	4.5	65		1
	JH-1A-02	IA	A221		FC453		0741	>30	64			1627	4	67		1
	JH-1A-01	IA	A875		FC418		0733	>30	68			1628	4	70		1
	JH-SS-02	SV	A1024		FC431		0738	>30	64			1644	5	67		1
	JH-1A-05	IA	A642		FC502		0811	>30	72			1647	4	73		1
	JH-SS-05	SV	A310	V	FC283	V	0808	>30	72	V	V	1647	4	73	V	1

Turnaround Time (Business days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By: _____

Date: _____

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	X
Reduced T2	
Full T1	
Other:	

Comments / Remarks

JH SS04 START TIME = 0758

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory: 1	Date Time: 11/27/12 10:00	Received By: 1	Relinquished By: 2	Date Time: 11-25-12	Received By: 2
Relinquished By: 3	Date Time: 12/4/12 12:30	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #: 692, 694, 696		

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Air Sampling Field Data Sheet

FED-EX Tracking #	Bottle Order Control #	PAGE 2 OF 2
Lab Quote #	Lab Job #	

Client / Reporting Information

Company Name: ERM	Project Name: J+H
Address: 40 MARCUS DR	Street: 40 VOICE RD
City: MELVILLE State: NY Zip: 11747	City: CARLE PLACE State: NY
Project Contact: JOHN.MOHLIN@ERM.COM E-mail:	Project #:
Phone #: 631 756 8900 Fax #: -8901	Client Purchase Order #:
Sampler(s) Name(s): MADDOX	

Weather Parameters

Temperature (Fahrenheit) Start:	Maximum:
Stop:	Minimum:
Atmoshpheric Pressure (Inches of Hg) Start:	Maximum:
Stop:	Minimum:
Other weather comment:	

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: Standard TO-15 Reporting List
	JH-OA-01	A	A814	6L	FC45	12/3/12	0845	>30	50	JM	12/3/12	1657	5"	55	JM	1

Turnaround Time (Business days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By: _____

Date: _____

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	X
Reduced T2	
Full T1	
Other:	

Comments / Remarks

1335

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory 1: Ray Mawson	Date Time: 11/27/12 16:30	Received By:	Relinquished By: 2	Date Time: 11-28-12	Received By: 2
Relinquished by: 3	Date Time: 12/4/12 1250	Received By: 3 Chris Ford	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # 6916		

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: SG
PIC: ER

Sample Location:	JTH	Collector(s):	JM EG
Address:	40 VACE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID:	JH-1A-06	Sample ID:	JH-1A-04	Sample ID:	
Canister Serial No.:	A070	Canister Serial No.:	A672	Canister Serial No.:	
Flow Controller Id No:	FC246	Flow Controller Id No:	FC471	Flow Controller Id No:	
Start Date/Time:	12/17/12 07:13	Start Date/Time:	12/17/12 07:22	Start Date/Time:	
Start Pressure: (inches Hg)	>30	Start Pressure: (inches Hg)	29	Start Pressure: (inches Hg)	
Stop Date/Time:	12/17/12 15:52	Stop Date/Time:	12/17/12 15:29	Stop Date/Time:	
Stop Pressure: (inches Hg)	5	Stop Pressure: (inches Hg)	5	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	Ø	PID Reading (ppm)	Ø	PID Reading (ppm)	
Story/Level	1	Story/Level	1	Story/Level	
Room	CAFETERIA	Room	CLEANING ROOM	Room	
Air Temp (°F)	70°	Air Temp (oF)	67°	Air Temp (oF)	
Barometric Pressure ("Hg or mb)		Barometric Pressure ("Hg or mb)		Barometric Pressure ("Hg or mb)	

Comments:

- RESAMPLE - FROM 12/3/12 EVENT

Signature: Jennifer Cox EG

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: EG
PIC: ER

Sample Location:	JHH	Collector(s):	JM/EG
Address:	40 VACE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)	RAE MINIRAE 2000 R8091		

SUMMA Canister Record:

	Outdoor Air	Outdoor Air	Outdoor Air
Sample ID:	JH-OA-01		
Canister Serial No.:	A627		
Flow Controller Id No:	FC110		
Start Date/Time:	12/17/12 07:29		
Start Pressure: (inches Hg)	29"		
Stop Date/Time:	12/17/12 14:57		
Stop Pressure: (inches Hg)	4		
Other Sampling Information:			
PID Reading (ppm)	0		
Location	ATOP CARBON VESSEL #1 WEST OF TRAILER		
Air Temperature	44		
Barometric pressure, " Hg			
Noticeable Odor?	No		
Duplicate Sample?	NO		
Intake Tubing used?	NO		

Comments:

TREATMENT SYSTEM OFF 12/13/12

RESAMPLE OF 12/3/12 EVENT

Signature: _____

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name:
Location:
Project Manager: EG
PIC: ER

Sample Location:	JTH	Collector(s):	EG
Address:	40 VOICE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)			

SUMMA Canister Record:

	Subsurface	Subsurface	Subsurface
Sample ID:	JH-SS-01	JH-SS-04	
Canister Serial No.:	A841	A234	
Flow Controller Id No:	FC146	FC 520	
Start Date/Time:	12/17/12 07:12	12/17/12 07:26	
Start Pressure: (inches Hg)	> 30"	30"	
Stop Date/Time:	12/17/12 15:53	12/17/12 15:30	
Stop Pressure: (inches Hg)	4	4	

Other Sampling Information:

PID Reading (ppm)	0	1760	
Depth of Vapor Probe			
Location	CAFETERIA	CLEANING ROOM	
Air Temperature	71°	67°	
Barometric pressure, " Hg			
Noticeable Odor?	NO	YES	
Duplicate Sample?	NO	NO	
Intake Tubing used?	YES	YES	

Comments:

RESAMPLE OF 12/3/12 EVENT

Signature: [signature]

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #:

Client / Reporting Information

Company Name: ERM
Address: 40 MARCUS DR STE 200
City: MELVILLE State: NY Zip: 11747
Project Contact / E-mail: JOHN.MADDOX@ERM.COM
Phone #: 631 756 9900 Fax #:
Sampler(s) Name(s): MADDOX

Project Name: JOHNSON+HOFFMAN - J+H
Street: 40 VOICE RD
City: CARLE PLACE State: NY
Project #:
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit): Start: 7:29 Maximum: 44; Stop: 14:57 Minimum: 43
Atmospheric Pressure (inches of Hg): Start: 7:12 Maximum: 29.91; Stop: 15:51 Minimum: 29.83
Other weather comment: LIGHT RAIN EARLY

Requested Analysis: Standard TO-15 Reporting List

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Date	Start Time (24hr clock)	Start Canister Pressure ("Hg)	Start Interior Temp (F)	Start Sampler Init.	Stop Date	Stop Time (24hr clock)	Stop Canister Pressure ("Hg)	Stop Interior Temp (F)	Stop Sampler Init.	Standard TO-15 Reporting List
	JH-IA-01	I	A070	6L	FC246	12/17/12	07:13	>30	70	JMX	12/17/12	15:53	5	70	EG	X
	JH-IA-04	I	A672	↓	FC49	↓	07:22	29	67	↓	↓	15:29	5	67	EG	X
	JH-SS-01	SV	A841	↓	FC146	↓	07:12	>30	71	↓	↓	15:53	4	70	EG	X
	JH-SS-04	SV	A234	↓	FC520	↓	07:26	30	67	↓	↓	15:30	4	67	EG	X
	JH-OA-01	A	A627	↓	FC110	↓	07:29	29	44	↓	↓	14:57	4	43	EG	X

Turnaround Time (Business days)
Standard - 15 Days
10 Day
5 Day
~~3 Day~~
2 Day
1 Day
Other
72 hr.
Approved By: ______
Date: ______

Data Deliverable Information
All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1 — X
Other: NYASP B ELECTONIC REPORT ONLY

Comments / Remarks
THIS IS A PARTIAL RESAMPLE OF 12/3/12 EVENT
~~48~~ 72 hour Turnaround
No charge

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	12/19/12	1	2		2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

OSR – 3

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 Eugene Gabay Date/Time Prepared 11/30/12 ~~11/29/12~~

Preparer's Affiliation ERM Phone No. 516-250-6155

Purpose of Investigation Ongoing Vapor Intrusion Investigation

1. OCCUPANT: Executive Vice President

Interviewed: (Y)/N Tom Reigot

Last Name: Bentivegna First Name: Jerry

Address: 40 Voice Road, Carle Place, NY 11514

County: Nassau

Home Phone: _____ Office Phone: 516-742-3333

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

E. Gabay arrived on-site on 11/30/12 at 11:45 and was escorted through the building by Tom Reigot.

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:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Metal Stamping

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

Other characteristics:

Number of floors 1 Building age_____

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

Ceiling Insulated not walls

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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 _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

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

The primary type of fuel used is:

Backup

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

Domestic hot water tank fueled by: Nat Gas / Electric

Boiler/furnace located in: Basement Outdoors (Main Floor) Other_____

Air conditioning: Central Air (Window units) (Open Windows) None

office Main area

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.

Modine Hot air blowers (ceiling mounted) and space heaters

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	None
1st Floor	Always occupied by employees
2nd Floor	None
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 Propane

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? entire bldg

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? paint cans present

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: Yes / oil lube smell from Stamping machines and Storage. Also eyes were irritated during walk through.

Do any of the building occupants use solvents at work? Y / N / (NA)
(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))
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service

No
(Unknown) e.g.

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: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

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

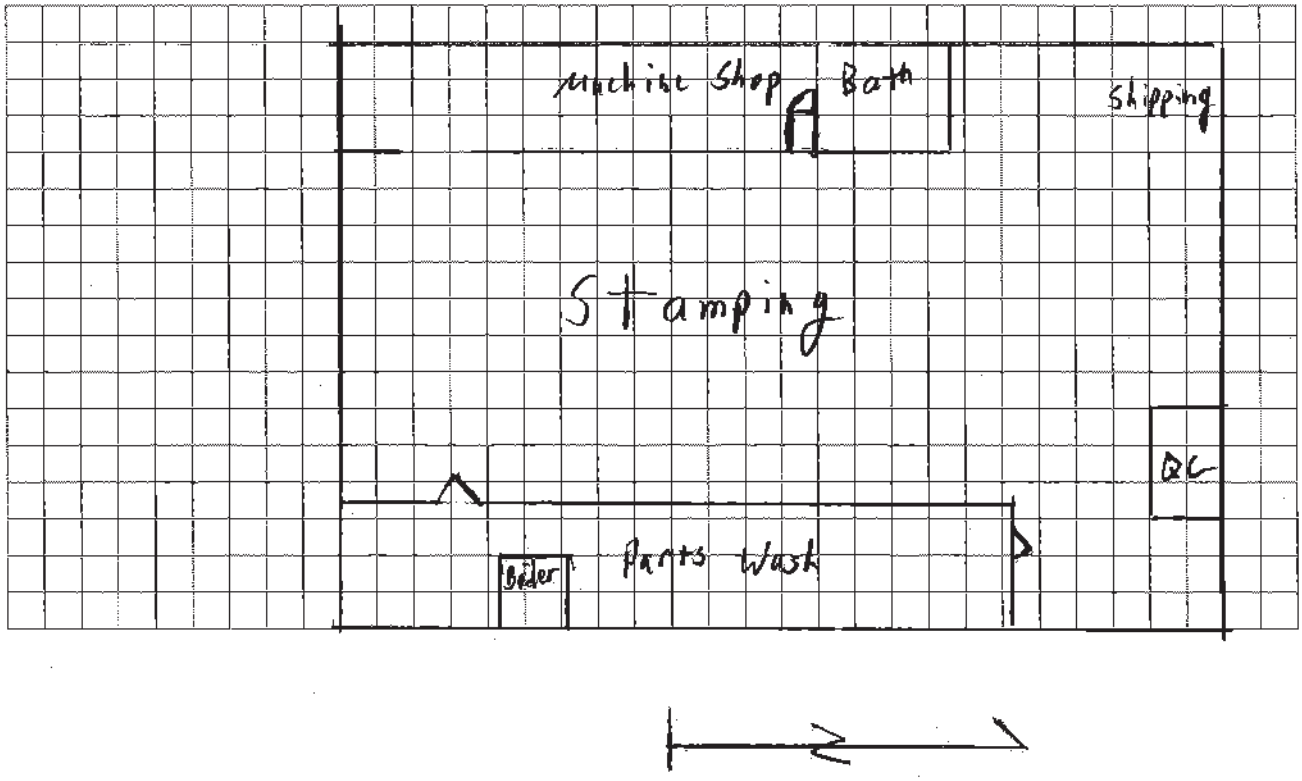
d. Relocation package provided and explained to residents? Y / N

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:

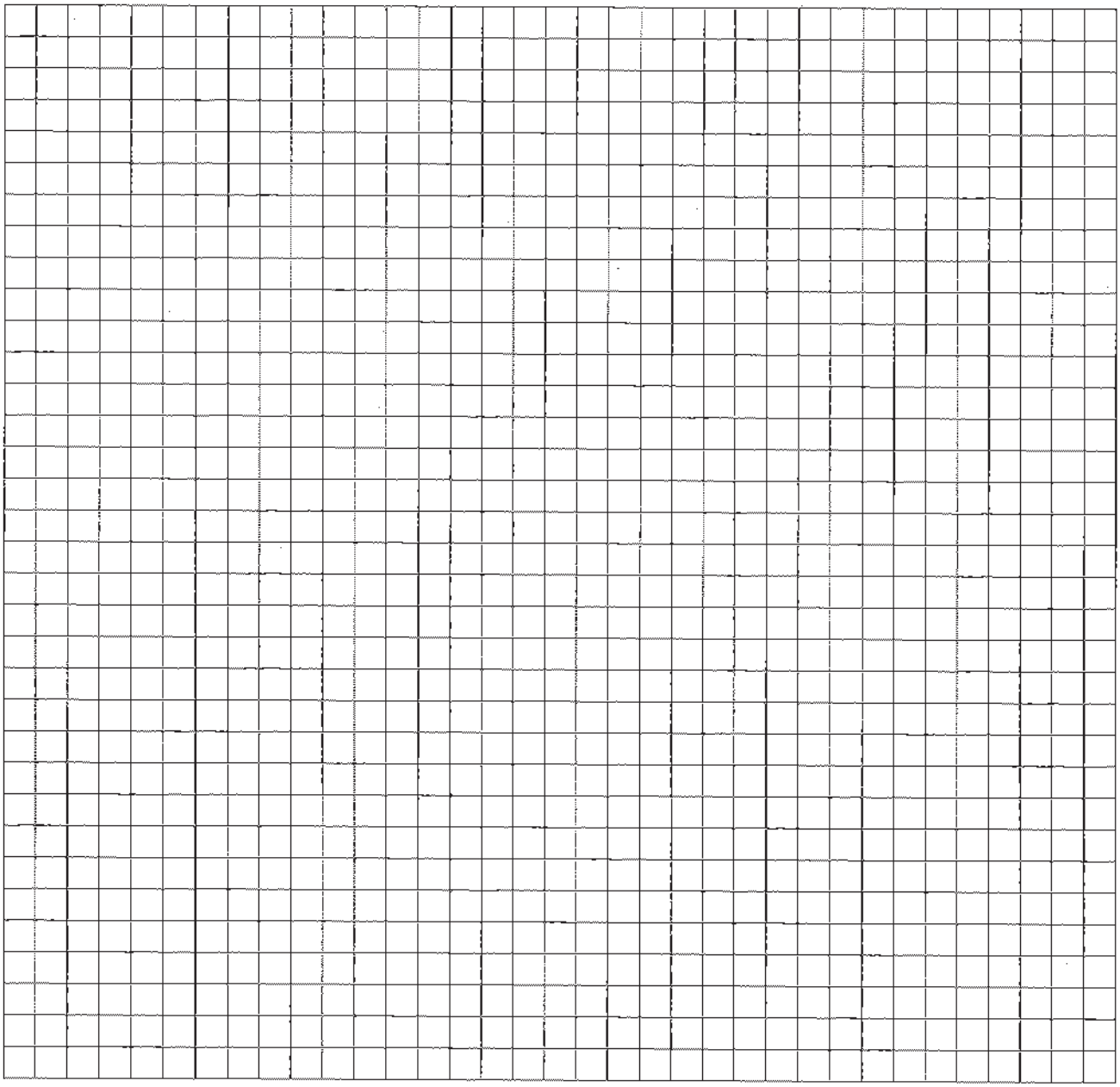
First Floor:



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.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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
SE bldg	Renoform SVO 64		good	>90% Mineral Spirits	—	N
SE bldg	Tuf Draw 1403 M50		good	<60% Min Spirit <5% trichloroethylene	—	N
SE bldg	Renoform 207 W		good	<45% Mineral Oil <5% veg oil	—	N
Parts Wash Room	ZF 113	Drum	fair			Y
Parts Wash Room	Renovator	Drum	good			Y
throughout	Mineral Spirits	1 gal	good			Y
Machine shop	Aero Kroil	spray Can	good	Petroleum Distillates, trimeth, benzene and Alcohol and ether		Y
Machine shop	Isocut fluid	1 gal	good	Petroleum Distillates		Y
Machine shop	CRC 3-36	Can	good	light Distillates, Paraffinic distillates & Inhibitor Blend?		Y
Machine Shop	Line-up striping Paint	Can	good	non-chlorinated		Y
Machine Shop	Contact Cleaner	Can	good	Non-chlorinated		Y
Machine shop	WD-40	Can	good	petroleum distillates		Y
	UVex	Can	good			Y
Machine shop	Gerstner finish Restor	8oz Bottle	good	Unknown		Y
Through Bldg	Air Tool Oil	—	—	throughout bldg.		Y
through Bldg	Day Lube	16 oz Tube	open/good	grease		Y

* 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.

Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

Product Inventory Photo Log

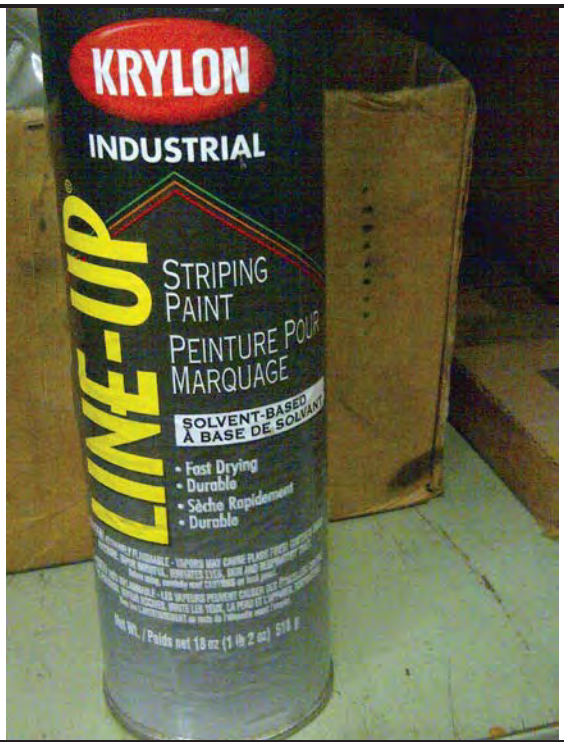
Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012



Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

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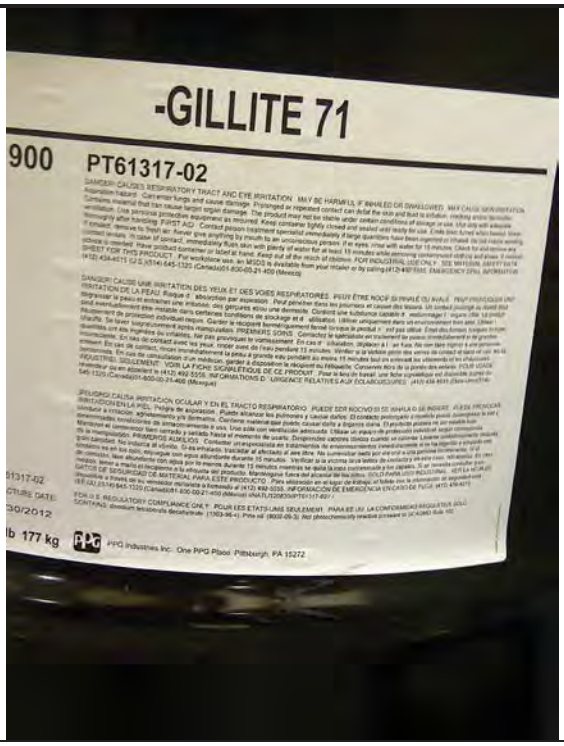
Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012



Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

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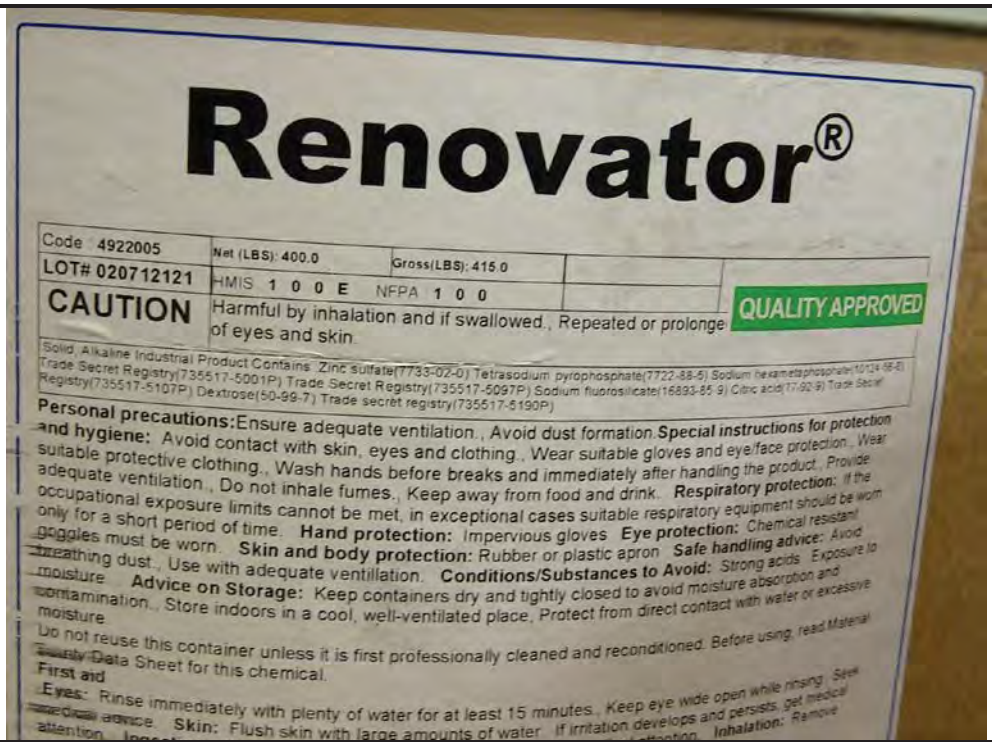
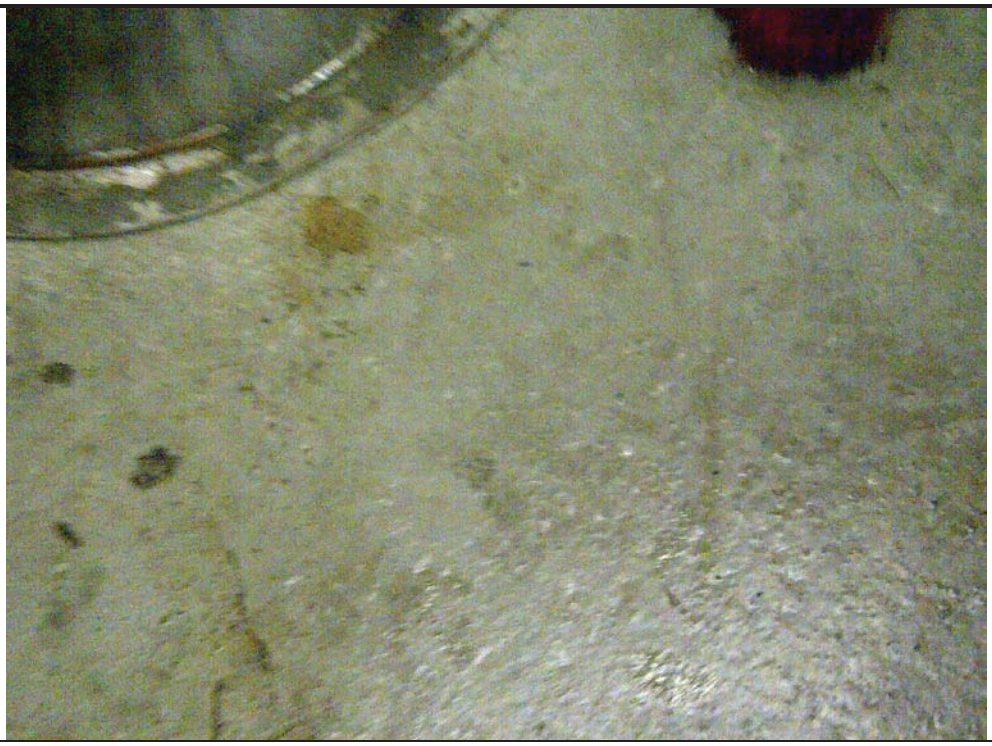
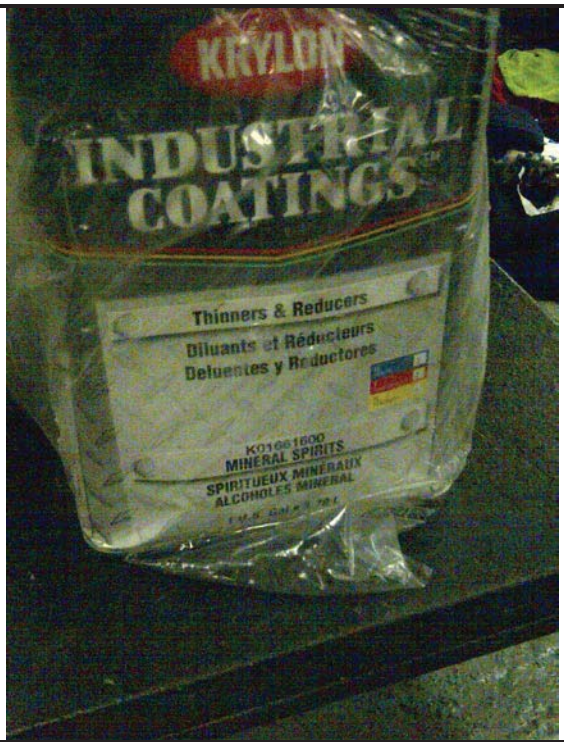


Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012



Product Inventory Photo Log		
Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012



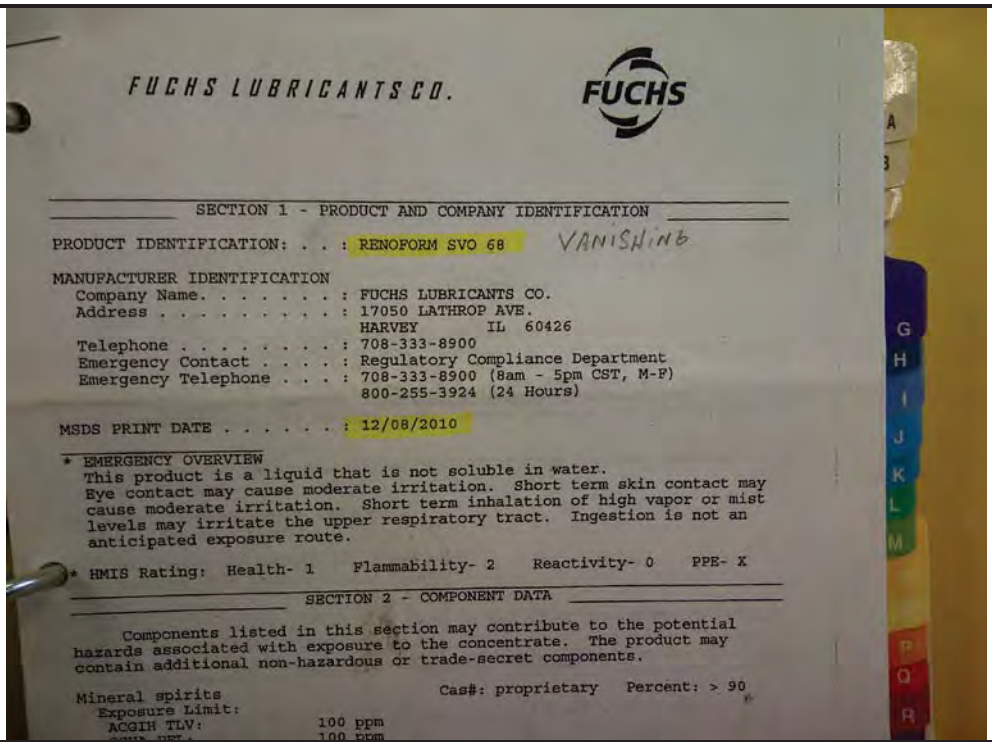
Product Inventory Photo Log		
Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012



FUCHS LUBRICANTS CO.

FUCHS

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION: . . : RENOFORM SVO 68 VANISHING

MANUFACTURER IDENTIFICATION
Company Name. . . . . : FUCHS LUBRICANTS CO.
Address . . . . . : 17050 LATHROP AVE.
HARVEY IL 60426
Telephone . . . . . : 708-333-8900
Emergency Contact . . . . : Regulatory Compliance Department
Emergency Telephone . . . : 708-333-8900 (8am - 5pm CST, M-F)
800-255-3924 (24 Hours)

MSDS PRINT DATE . . . . . : 12/08/2010

* EMERGENCY OVERVIEW
This product is a liquid that is not soluble in water.
Eye contact may cause moderate irritation. Short term skin contact may cause moderate irritation. Short term inhalation of high vapor or mist levels may irritate the upper respiratory tract. Ingestion is not an anticipated exposure route.

* HMIS Rating: Health- 1 Flammability- 2 Reactivity- 0 PPE- X

SECTION 2 - COMPONENT DATA

Components listed in this section may contribute to the potential hazards associated with exposure to the concentrate. The product may contain additional non-hazardous or trade-secret components.

Mineral spirits Cas#: proprietary Percent: > 90
Exposure Limit:
ACGIH TLV: 100 ppm

Product Inventory Photo Log

Johnson & Hoffman Former Mfg Corp Carle Place, NY	ERM	Date: December 2012

March 2013

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0181213
Project Name: JH
Location:
Project Manager:
PIC:

Sample Location:		Collector(s):	Jmx
Address:	40 VOICE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)	MINI RAE 2000		

SUMMA Canister Record:

	Subsurface	Subsurface		Subsurface	
Sample ID:	JH-SS-01	Sample ID:	JH-SS-02	Sample ID:	JH-SS-03
Canister Serial No.:	A1015	Canister Serial No.:	A758	Canister Serial No.:	A1028
Flow Controller Id No:	FC353	Flow Controller Id No:	FC 373	Flow Controller Id No:	FC420
Start Date/Time:	3/12/13 0714	Start Date/Time:	3/12/13 0728	Start Date/Time:	3/12/13 0739
Start Pressure: (inches Hg)	29.5	Start Pressure: (inches Hg)	< 30	Start Pressure: (inches Hg)	30
Stop Date/Time:	3/12/13 1509	Stop Date/Time:	3/12/13 1554	Stop Date/Time:	3/12/13 1623
Stop Pressure: (inches Hg)	4	Stop Pressure: (inches Hg)	4.	Stop Pressure: (inches Hg)	4.5

Other Sampling Information:

PID Reading (ppm)	0.6	PID Reading (ppm)	14.8	PID Reading (ppm)	Ø
Depth of Vapor Probe		Depth of Vapor Probe		Depth of Vapor Probe	
Location	CAFETERIA	Location	RESTROOM	Location	'BLACK HOLE' SHOP
Air Temperature	68-69	Air Temperature	71-72	Air Temperature	70
Barometric pressure, " Hg	30.0	Barometric pressure, " Hg	30.0	Barometric pressure, " Hg	30.0
Noticeable Odor?	No	Noticeable Odor?	YES	Noticeable Odor?	YES
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	NO
Intake Tubing used?	YES	Intake Tubing used?	YES	Intake Tubing used?	YES

Comments:

Signature: _____

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0161213
Project Name: JOHNSON (HOFFMAN)
Location:
Project Manager:
PIC:

Sample Location:		Collector(s):	JEK
Address:	40 VOICE RD CARLE PLACE		
PID Meter Used; (Model, Serial #)	MINI RAE 2000		

SUMMA Canister Record:

	Subsurface	Subsurface		Subsurface	
Sample ID:	JH-SS-04	Sample ID:	JH-SS-05	Sample ID:	
Canister Serial No.:	A135	Canister Serial No.:	A659	Canister Serial No.:	
Flow Controller Id No:	FC379	Flow Controller Id No:	FC360	Flow Controller Id No:	
Start Date/Time:	3/12/13 0750	Start Date/Time:	3/12/13 0803	Start Date/Time:	
Start Pressure: (inches Hg)	<30	Start Pressure: (inches Hg)	29.5	Start Pressure: (inches Hg)	
Stop Date/Time:	3/12/13 1619	Stop Date/Time:	3/12/13 1540	Stop Date/Time:	
Stop Pressure: (inches Hg)	4.5	Stop Pressure: (inches Hg)	3.5	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	10.4	PID Reading (ppm)	11.1	PID Reading (ppm)	
Depth of Vapor Probe		Depth of Vapor Probe		Depth of Vapor Probe	
Location	CLEANING ROOM	Location	STOCK ROOM	Location	
Air Temperature	74-76	Air Temperature	~~73-74~~ 66-67	Air Temperature	
Barometric pressure, " Hg	30.0	Barometric pressure, " Hg	30.0	Barometric pressure, " Hg	
Noticeable Odor?	YES	Noticeable Odor?	YES	Noticeable Odor?	
Duplicate Sample?	NO	Duplicate Sample?	NO	Duplicate Sample?	
Intake Tubing used?	YES	Intake Tubing used?	YES	Intake Tubing used?	

Comments:

Signature: JEK

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #:
Project Name: JH
Location:
Project Manager:
PIC:

Sample Location:		Collector(s):	JMX
Address:	40 VALE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)	MINI RAE 2000		

SUMMA Canister Record:

	INDOOR AIR (slab-on-grade, 1st floor)	INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID:	JH-1A-01	Sample ID:	JH-1A-02	Sample ID:	JH-1A-03
Canister Serial No.:	A371	Canister Serial No.:	A759	Canister Serial No.:	A263
Flow Controller Id No:	FC542	Flow Controller Id No:	FC462	Flow Controller Id No:	FC252
Start Date/Time:	3/12/13 0717	Start Date/Time:	3/12/13 0729	Start Date/Time:	3/12/13 0742
Start Pressure: (inches Hg)	25 (0=4")	Start Pressure: (inches Hg)	< 30	Start Pressure: (inches Hg)	<30
Stop Date/Time:	3/12/13 1510	Stop Date/Time:	3/12/13 1557	Stop Date/Time:	3/12/13 1639
Stop Pressure: (inches Hg)	3.5	Stop Pressure: (inches Hg)	4.5	Stop Pressure: (inches Hg)	4.5
Other Sampling Information:					
PID Reading (ppm)	0	PID Reading (ppm)	0	PID Reading (ppm)	0
Story/Level	1	Story/Level	1	Story/Level	1
Room	CAFETERIA	Room	REST ROOM	Room	'BLACKIE' SHOP
Air Temp (°F)	68-69	Air Temp (oF)	71	Air Temp (oF)	70
Barometric Pressure ("Hg or mb)	30.0	Barometric Pressure ("Hg or mb)	30.0	Barometric Pressure ("Hg or mb)	30.0

Comments:

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0181213
Project Name: JtH
Location:
Project Manager:
PIC:

Sample Location:		Collector(s):	JMX
Address:	40 VOICE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)	MINI RAE 2000		

SUMMA Canister Record:

INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)		INDOOR AIR (slab-on-grade, 1st floor)	
Sample ID:	JH-1A-04	Sample ID:	JH-1A-05	Sample ID:	
Canister Serial No.:	A200	Canister Serial No.:	A464	Canister Serial No.:	
Flow Controller Id No:	FC 133	Flow Controller Id No:	FC245	Flow Controller Id No:	
Start Date/Time:	3/12/13 0753	Start Date/Time:	3/12/13 0805	Start Date/Time:	
Start Pressure: (inches Hg)	30	Start Pressure: (inches Hg)	30	Start Pressure: (inches Hg)	
Stop Date/Time:	3/12/13 1531	Stop Date/Time:	3/12/13 1628	Stop Date/Time:	
Stop Pressure: (inches Hg)	2.5	Stop Pressure: (inches Hg)	4.0	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	1.2	PID Reading (ppm)	0	PID Reading (ppm)	
Story/Level	1	Story/Level	1	Story/Level	
Room	CLEANING ROOM	Room	STOCK ROOM	Room	
Air Temp (°F)	74-73	Air Temp (oF)	67	Air Temp (oF)	
Barometric Pressure (“Hg or mb)	30.0	Barometric Pressure (“Hg or mb)	30.0	Barometric Pressure (“Hg or mb)	

Comments:

Signature: [signature]

Environmental Resources Management
40 Marcus Drive, Suite 200
Melville, NY 11747
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0181213
Project Name: JH
Location:
Project Manager:
PIC:

Sample Location:		Collector(s):	JHX
Address:	40 VALE RD CARLE PLACE		
PID Meter Used: (Model, Serial #)	MINI RAE 2000		

SUMMA Canister Record:

	Outdoor Air	Outdoor Air	Outdoor Air
Sample ID:	JH-OA-01		
Canister Serial No.:	A280		
Flow Controller Id No:	FC143		
Start Date/Time:	3/12/13 0810		
Start Pressure: (inches Hg)	<30" (Ø=10")		
Stop Date/Time:	3/12/13 1610		
Stop Pressure: (inches Hg)	15" (Ø=10")		

Other Sampling Information:

PID Reading (ppm)	Ø		
Location	SW CORNER OF BLDG		
Air Temperature	53°		
Barometric pressure, " Hg			
Noticeable Odor?	YES		
Duplicate Sample?	NO		
Intake Tubing used?	NO		

Comments:

Signature: [signature]

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Air Sampling Field Data Sheet

FED-EX Tracking #:

Bottle Order Control #: MO-3/6/2013-20

Lab Quote #:

Lab Job #:

PAGE 1 OF 2

Client / Reporting Information

Company Name: ERM

Address: 40 MARCUS DR

City: MELVILLE State: NY Zip: 11747

Project Contact: EUGENE.GABAY@ERM.COM E-mail:

Phone #: 631 756 8900 Fax #:

Project Name: JOHNSON + HOFFMAN

Street: 40 VOICE RD

City: CARLE PLACE State: NY

Project #: 0181213

Client Purchase Order #:

Sampler(s) Name(s): MADDOX

Weather Parameters

Temperature (Fahrenheit)

Start: 52 Maximum: 53

Stop: 52 Minimum: 52

Atmoshpheric Pressure (inches of Hg)

Start: 30.0 Maximum: 30.0

Stop: 29.8 Minimum: 29.7

Other weather comment: RAIN ALL DAY

Requested Analysis

Standard TO-15 Reporting List

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List
~~MX~~	~~JH-SS-01~~	~~SV~~	~~A371~~	~~6L~~	~~FC542~~	~~3/12/13~~	~~0717~~	~~25~~		~~JMX~~						
	JH-1A-01	I	A371		FC542		0717	25	68	JMX	3/12/13	1510	3.5	69	JMX	1
	JH-SS-02	SV	A758		FC373		0728	<30	71			1554	4.0	72		1
	JH-1A-02	I	A759		FC462		0729	<30	71			1557	4.5	71		1
	JH-SS-03	SV	A1028		FC420		0739	30	70			1623	4.5	72		1
	JH-1A-03	I	A263		FC252		0742	<30	70			1639	4.5	71		1
	JH-SS-04	SV	A135		FC379		0750	<30	74			1619	4.5	76		1
	JH-1A-04	I	A200		FC133		0753	30	74			1536	3.5	73		1
	JH-SS-05	SV	A659		FC360		0803	29.5	67			1540	3.5	66		1
	JH-1A-05	I	A464	V	FC245	V	0805	30	67	V	V	1628	4.0	67	V	1

Turnaround Time (Business days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By: _____

Date: _____

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	
Reduced T2	
Full T1	
Other:	NYASP B ELECTRONIC ONLY

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory 1: [signature]	Date Time: 3/9/13 12:10	Received By: 1: [signature]	Relinquished By: 2: [signature]	Date Time: 3/13/13 12:20	Received By: 2: [signature]
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #: 314, 316, 318		

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Air Sampling Field Data Sheet

FED-EX Tracking #	Bottle Order Control # MO-3/6/2013-20	PAGE 2 OF 2
Lab Quote #	Lab Job #	

Client / Reporting Information

Company Name: ERM	Project Name: JOHNSON + HOFFMAN
Address: 40 MARCUS DR	Street: 40 VOICE RD
City: MELVILLE State: NY Zip: 11747	City: CARLE PLACE State: NY
Project Contact: EUGENE.GABAY@ERM.COM Email:	Project #: 018243
Phone #: 631 756 8900 Fax #:	Client Purchase Order #:
Sampler(s) Name(s): MADDOX	

Weather Parameters

Temperature (Fahrenheit): Start: 52 Maximum: 53 Stop: 52 Minimum: 52

Atmoshpheric Pressure (Inches of Hg): Start: 30.0 Maximum: 30.0 Stop: 29.8 Minimum: 29.7

Other weather comment:

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: Standard TO-15 Reporting List
	JH-SS-01	SV	A1015	6L	FC853	3/12/13	0714	29.5	68	JMX	3/12/13	1509	4	69	JMX	1
	JH-OA-01	A	A280	↓	FC143	↓	0810	30	52	↓	3/12/13	1610	5*	53	JMX	1

Turnaround Time (Business days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By: _____

Date: _____

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	
Reduced T2	
Full T1	
Other:	NJDEP B ELECTRONIC ONLY

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Lab Staff: 1	Date Time: 3/9/13 12:10	Received By: 1	Relinquished By: 2	Date Time: 3/13/13 12:20	Received By: 2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #: 314, 316, 318		

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 JOHN MADEX Date/Time Prepared 3/12/13

Preparer's Affiliation ERM Phone No. 516 807 2903

Purpose of Investigation ONGOING VAPOR INTRUSION

1. OCCUPANT:

Interviewed: (Y)/N PLANT MANAGER SINCE 11/12

Last Name: TAORMINA First Name: DREW

Address: 40 VOICE RD CARLE PLACE NY 11514

County: NASSAU

Home Phone: _____ Office Phone: 516 742 3333 X206

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) METAL STAMPING

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

Other characteristics:

Number of floors 1 Building age_____

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

CEILING YES, WALLS NO

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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 _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is: NA	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

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

The primary type of fuel used is:

Natural Gas	Fuel Oil BACKUP	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: NAT GAS + ELECTRIC

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units OFFICE	Open Windows SHOP FLOOR	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.

- CEILING MOUNT PROPANE HOT AIR BLOWERS
- SPACE HEATERS

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	NA
1st Floor	SHOP FLOOR OCCUPIED BY SHIFT WORKERS
2nd Floor	NA
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 PROPANE
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? SHOP FLOOR
g. Is there smoking in the building?	Y (N) How frequently?
h. Have cleaning products been used recently?	(Y) N When & Type? SOAP - DAILY
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? LATEX PAINT EAST WALL OF PLANT FLOOR, SHIPPING AREA ~~MID FEB.~~ 2013

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: LUBE OIL FROM HYDRAULIC STAMPERS

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: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

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

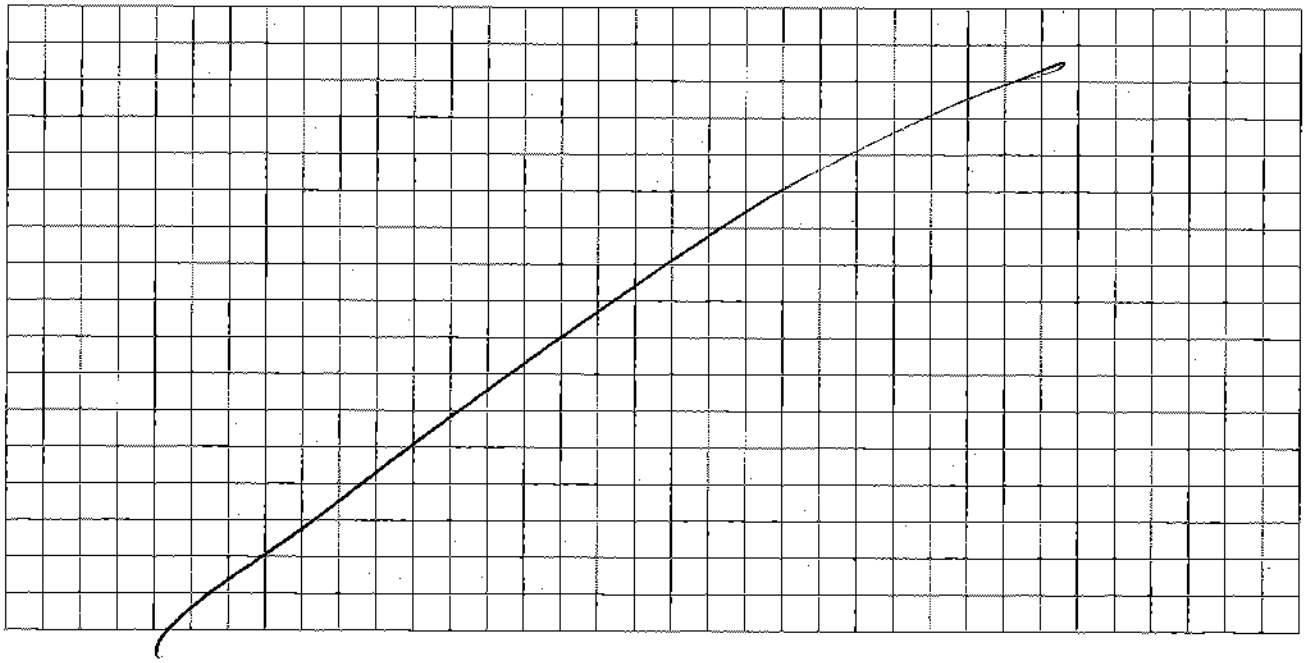
c. Responsibility for costs associated with reimbursement explained? Y / N

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

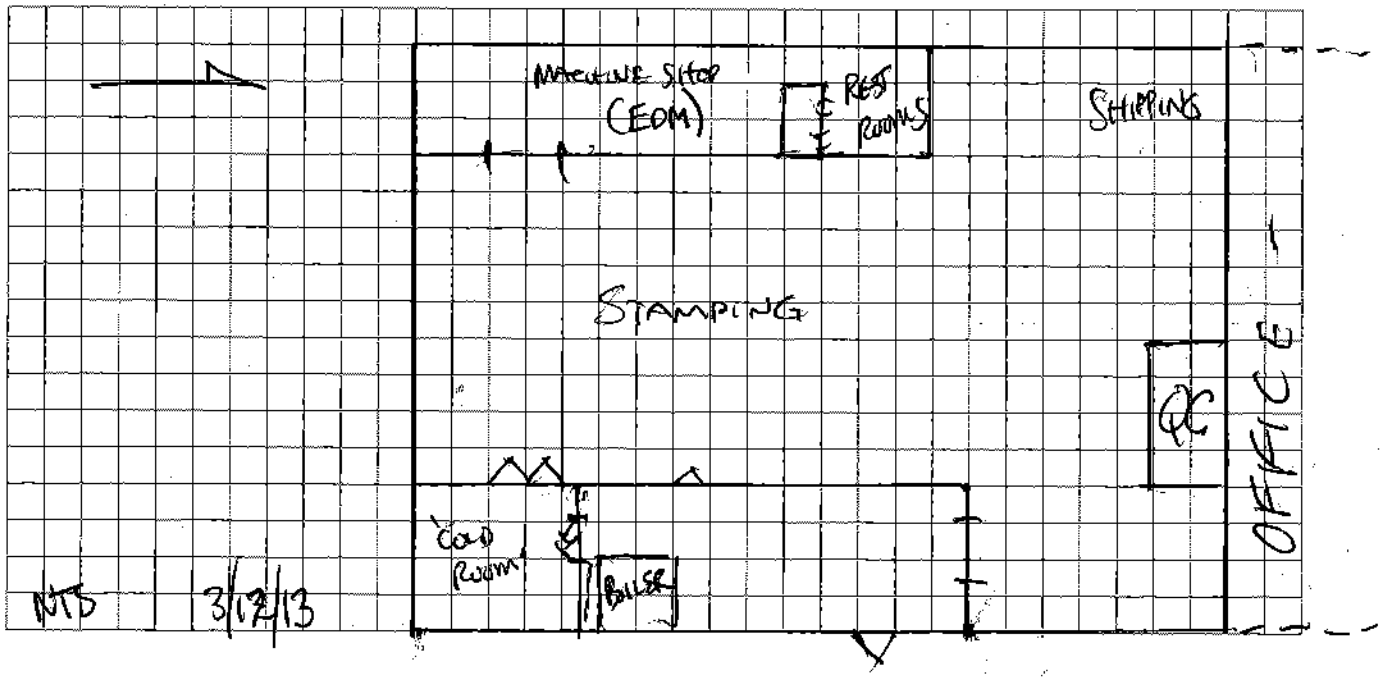
11. FLOOR PLANS

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:



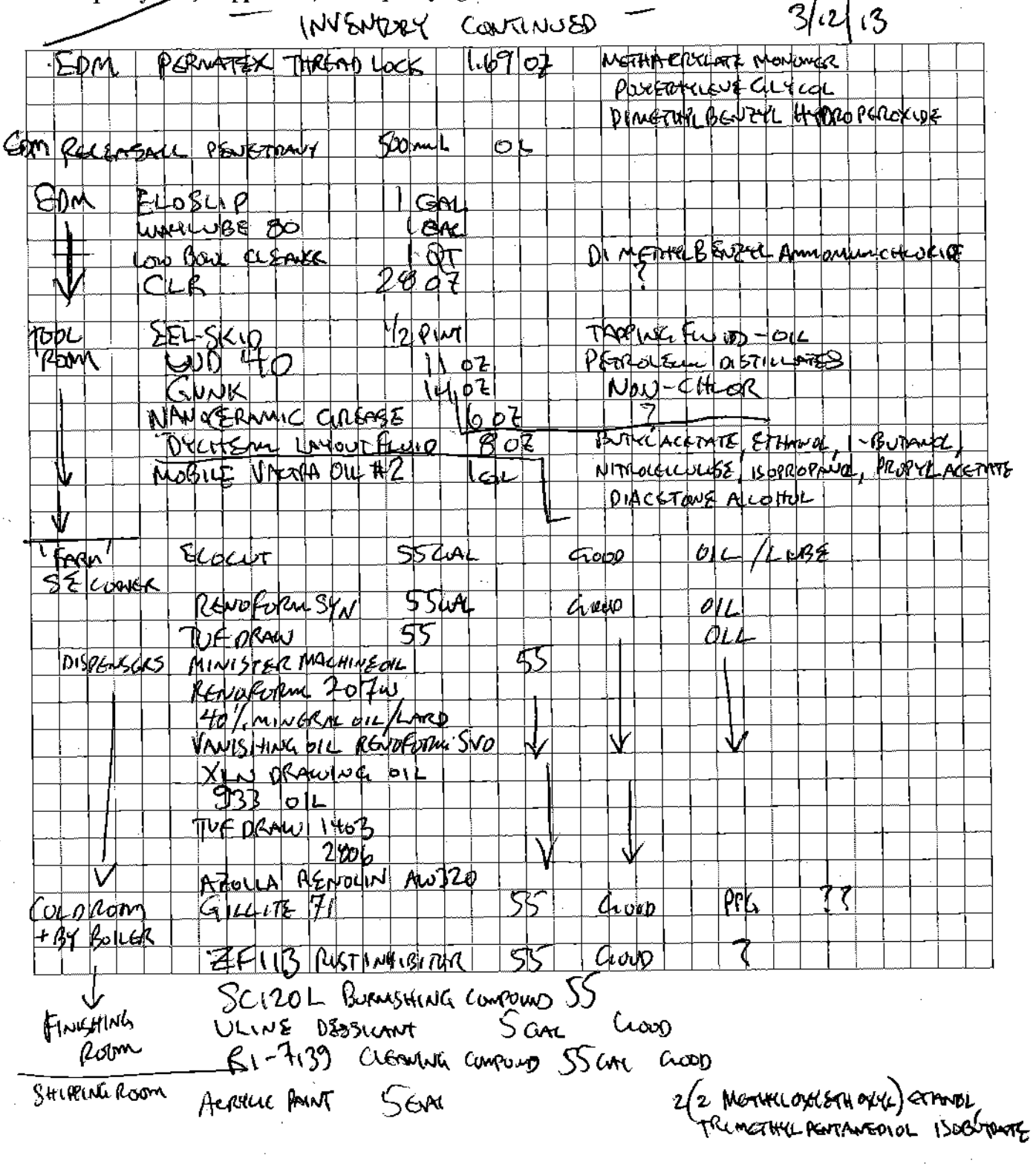
First Floor:



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.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: NA

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
DOCK	HYDRAULIC OIL	SCAL	GOOD	MOBILE DTE 24 (ALSO IN EDM)	NA	Y
↓	ECOCOUT	55gal	GOOD			
WEST SIDE SHOP FLOOR	ACRYLIC SPRAY PAINT	16oz	GOOD	(LOCKED) KRYLON		
" FLOOR. CAB	F442 OIL	QT	GOOD			
"	CIGARLUBE	QT	GOOD	SAE 80-85-90		
"	LATEX PAINT	GAL	GOOD	ETHYLENE GLYCOL		
" (ALSO IN MAINTENANCE)	INDUSTRIAL MARINE ENAMEL	GAL	GOOD	PETROLEUM SPIRITS, 1,2,4 TRIMETHYLBENZENE, 2-PROPOXYETHANOL, ETHYLBENZENE		
	GLOSS ACRYLIC	GAL	GOOD	2-BUTOXYETHANOL, PETROLEUM DISTILLATE,		
	3-B OIL	GAL	GOOD	NAPTHA		
	NO-SAND PAINT PREP	QT	GOOD	ISOPROPANOL, TOLUENE, ETHYLENE GLYCOL MONOBUTYL ETHER, MEK		
	CITRUSTRIP	QT	GOOD	N METHYL 2 PYRROLIDONE,		
	DEVCON	GAL	GOOD	URETHANE		
	KLEAN-KUTTER VARNISH REMOVER	GAL	GOOD	METHYLENE CHLORIDE, ACETONE, TOLUENE		
	BONDEX WOOD BLEACH	12oz	GOOD	OXALIC ACID		
↓	GASOLINE	5GAL	GOOD	SMALL AMOUNT		
COMPRESSOR ROOM	KEROSENE CAN (EMPTY)	—	—	—	—	
	AEON COMPRESSOR OIL	5gal				
↓	SYN 460 " "	5gal	↓			
EDM	STARRETT LUBE	12oz	GOOD	"HEAVY ALIPHATIC SOLVENT"	↓	↓

OVER

* 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.

Product Inventory Photo Log

Johnson & Hoffman Former Mfg. Corp Carle Place, NY	ERM	Date: March 2013

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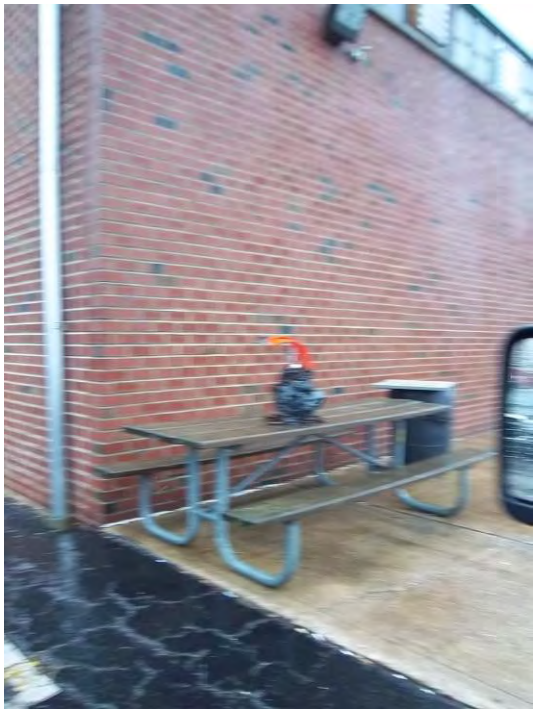

Product Inventory Photo Log

Johnson & Hoffman Former Mfg. Corp Carle Place, NY	ERM	Date: March 2013

Appendix C

Data Usability Summary Reports

ENVIRONMENTAL Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
Compendium Method TO-15 - Level IV Review

Client: ERM, Melville, NY

Site: J&H Manufacturing Site – Carle Place, New York

SDG #s: JA81332

Laboratory: Accutest Laboratories – Dayton, New Jersey Date: August 5, 2011

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	JH-IA-01	JA81332-1	Air
2	JH-SS-01	JA81332-2	Air
3	JH-IA-02	JA81332-3	Air
4	JH-SS-02	JA81332-4	Air
5	JH-SS-03	JA81332-5	Air
6	JH-IA-03	JA81332-6	Air
7	JH-IA-04	JA81332-7	Air
8	JH-SS-04	JA81332-8	Air
9	JH-IA-05	JA81332-9	Air
10	JH-SS-05	JA81332-10	Air
11	JH-OA-01	JA81332-11	Air

The samples were analyzed following "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B", Compendium Method TO-15, "Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry *(GC/MS)*". The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical methods, the NYSDEC ASP, the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 4, October 2006: Validating Volatile Organic Analysis of Ambient Air in canister by Method TO-15 and the reviewer's professional judgment.

Chains-of-Custody (COCs) – No discrepancies were identified.

Data completeness, Deliverables and Analysis Data Sheets (Form I) – No discrepancies were identified.

Canister Receipt/Log-in sheet (Leak Checks) – A review of the final canister pressures by the laboratory upon sample receipt indicated no discrepancies.

Canister Certification Blanks/Spikes/Pressure Differences - No discrepancies were identified.

Holding Times - No discrepancies were identified.

Surrogates - All Surrogate percent recoveries (%R) were within QC limits.

Blank Spike/ Blank Spike Duplicate Sample (BS/BSD) - The BS/BSD exhibited %R and RPD within QC criteria.

Laboratory Duplicate - No discrepancies were observed.

Method Blank - The method blank contained no contamination.

GC/MS Tuning - No discrepancies were identified.

Initial Calibration - The initial calibration exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibration exhibited acceptable %D and RRF values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Detection Limits/Compound Identification – The standard initial sample volume utilized by the laboratory for samples was 400 ml. The reporting limit (RL) for all compounds is 0.20 ppbv. RLs reported in $\mu g/m^3$ are dependant on the molecular weight of each compound and vary significantly.

The table below includes samples that required reanalysis at a dilution due to target compound concentrations exceeding the calibration range of the instrument in the initial analysis. Results for both analyses are reported on the same Form I. The laboratory has footnoted which results are from the second analysis. All other compounds are reported from the initial analysis. No qualification of the sample data is required. All other criteria were met.

Sample	Compounds Reported from Second Analysis
JH-SS-02	p-Dichlorobenzene
JH-SS-03	Tetrachloroethene
JH-SS-04	Acetone, Tetrachloroethene, Trichloroethene
JH-SS-05	Tetrachloroethene

Ethanol was reported in sample JH-IA-01 with an E qualifier. This indicates that the concentration of Ethanol in sample JH-IA-01 was above the calibration range of the instrument. The sample was not reanalyzed by the laboratory for Ethanol as this compound is suspected to be a contaminant possibly present since it is routinely added to the gas cylinders supplied by the commercial standard suppliers. Ethanol is not of concern at the site. The value is considered estimated and has been qualified J. The value is still useable as an estimated positive detect.

Field Duplicate Sample Precision – No Field Duplicate Sample was collected.

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-IA-01				
Lab Sample ID:	JA81332-1			Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp.	Summa ID:	A168	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32868.D	1	07/22/11	YMH	n/a	n/a	VW1343
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	10.0	0.20	0.036	ppbv		23.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.12	0.20	0.046	ppbv	J	0.38	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.65	0.20	0.037	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.47	0.20	0.038	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.15	0.10	0.025	ppbv		0.90	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	67.6	0.50	0.095	ppbv	J E	127	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.23	0.20	0.031	ppbv		1.0	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-01				
Lab Sample ID:	JA81332-1			Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp.	Summa ID:	A168	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.18	0.20	0.033	ppbv	J	0.74	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.17	0.20	0.044	ppbv	J	0.60	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	9.7	0.20	0.059	ppbv		24	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.027	ppbv		0.87	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.85	0.20	0.048	ppbv		2.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.83	0.20	0.036	ppbv		3.4	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.0	0.040	0.028	ppbv		6.8	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.51	0.20	0.040	ppbv		1.9	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.31	0.040	0.042	ppbv		1.7	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.89	0.20	0.031	ppbv		3.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.30	0.20	0.031	ppbv		1.3	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.2	0.20	0.031	ppbv		5.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-SS-01		
Lab Sample ID:	JA81332-2	Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A333	Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32870.D	1	07/22/11	YMH	n/a	n/a	VW1343
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.3	0.20	0.036	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.30	0.20	0.032	ppbv		0.93	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.19	0.20	0.037	ppbv	J	0.39	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.20	0.038	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.21	0.20	0.038	ppbv		0.83	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.025	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	2.1	0.50	0.095	ppbv		4.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.18	0.20	0.031	ppbv	J	0.78	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-01				
Lab Sample ID:	JA81332-2			Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp.	Summa ID:	A333	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.044	ppbv	J	0.39	0.70	ug/m3
591-78-6	100	2-Hexanone	0.12	0.20	0.043	ppbv	J	0.49	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.44	0.20	0.059	ppbv		1.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.027	ppbv		0.87	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.2	0.20	0.048	ppbv		3.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	1.1	0.20	0.027	ppbv		4.7	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.17	0.20	0.024	ppbv	J	0.84	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	11.2	0.040	0.028	ppbv		75.9	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.19	0.20	0.047	ppbv	J	0.56	0.59	ug/m3
108-88-3	92.14	Toluene	0.59	0.20	0.040	ppbv		2.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.80	0.040	0.033	ppbv		4.3	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.32	0.040	0.042	ppbv		1.8	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.73	0.20	0.031	ppbv		3.2	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.27	0.20	0.031	ppbv		1.2	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.0	0.20	0.031	ppbv		4.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-IA-02				
Lab Sample ID:	JA81332-3			Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp.	Summa ID:	A634	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32871.D	1	07/22/11	YMH	n/a	n/a	VW1343
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	9.3	0.20	0.036	ppbv		22	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.046	ppbv	J	0.51	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.74	0.20	0.028	ppbv		3.6	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.76	0.20	0.037	ppbv		1.6	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.20	0.038	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	25.6	0.10	0.025	ppbv		154	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	25.3	0.50	0.095	ppbv		47.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.20	0.20	0.031	ppbv		0.87	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-02				
Lab Sample ID:	JA81332-3			Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp.	Summa ID:	A634	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.13	0.20	0.033	ppbv	J	0.53	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.18	0.20	0.044	ppbv	J	0.63	0.70	ug/m3
591-78-6	100	2-Hexanone	0.11	0.20	0.043	ppbv	J	0.45	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.94	0.20	0.059	ppbv		2.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.28	0.20	0.027	ppbv		0.97	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.84	0.20	0.048	ppbv		2.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.096	0.20	0.036	ppbv	J	0.39	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.10	0.20	0.024	ppbv	J	0.49	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.15	0.20	0.028	ppbv	J	0.70	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.2	0.040	0.028	ppbv		8.1	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.59	0.20	0.040	ppbv		2.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.040	0.042	ppbv		1.6	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.75	0.20	0.031	ppbv		3.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.28	0.20	0.031	ppbv		1.2	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.0	0.20	0.031	ppbv		4.3	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-SS-02				
Lab Sample ID:	JA81332-4			Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp.	Summa ID:	A644	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32872.D	1	07/22/11	YMH	n/a	n/a	VW1343
Run #2	W32889.D	1	07/25/11	YMH	n/a	n/a	VW1344

	Initial Volume
Run #1	400 ml
Run #2	200 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.4	0.20	0.036	ppbv		13	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	4.2	0.20	0.028	ppbv		21	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.11	0.20	0.037	ppbv	J	0.23	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.096	0.040	0.040	ppbv		0.60	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.038	ppbv		2.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	36.7 [a]	0.20	0.050	ppbv		221 [a]	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	1.2	0.50	0.095	ppbv		2.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	1.1	0.20	0.031	ppbv		4.8	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-02				
Lab Sample ID:	JA81332-4			Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp.	Summa ID:	A644	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.24	0.20	0.059	ppbv		0.59	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.027	ppbv		0.69	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.72	0.20	0.048	ppbv		2.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.27	0.20	0.024	ppbv		1.3	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	25.2	0.040	0.028	ppbv		171	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.34	0.20	0.040	ppbv		1.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	2.8	0.040	0.033	ppbv		15	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.31	0.040	0.042	ppbv		1.7	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	6.1	0.20	0.031	ppbv		26	0.87	ug/m3
95-47-6	106.2	o-Xylene	2.5	0.20	0.031	ppbv		11	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	8.6	0.20	0.031	ppbv		37	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%	92%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-SS-03		
Lab Sample ID:	JA81332-5	Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp.	Summa ID: A305 Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32873.D	1	07/22/11	YMH	n/a	n/a	VW1343
Run #2	W32890.D	1	07/25/11	YMH	n/a	n/a	VW1344

	Initial Volume
Run #1	400 ml
Run #2	50.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	6.4	0.20	0.036	ppbv		15	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.28	0.20	0.046	ppbv		0.89	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.10	0.20	0.032	ppbv	J	0.31	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	0.17	0.20	0.039	ppbv	J	0.45	0.53	ug/m3
67-66-3	119.4	Chloroform	0.17	0.20	0.028	ppbv	J	0.83	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.15	0.20	0.037	ppbv	J	0.31	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.41	0.20	0.038	ppbv		2.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.10	0.20	0.033	ppbv	J	0.40	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	4.0	0.20	0.038	ppbv		16	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.12	0.10	0.025	ppbv		0.72	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	0.83	0.50	0.095	ppbv		1.6	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-03				
Lab Sample ID:	JA81332-5			Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp.	Summa ID:	A305	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.27	0.20	0.044	ppbv		0.95	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.37	0.20	0.027	ppbv		1.3	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.0	0.20	0.048	ppbv		2.9	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	147 [a]	0.32	0.23	ppbv		997 [a]	2.2	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.36	0.20	0.047	ppbv		1.1	0.59	ug/m3
108-88-3	92.14	Toluene	0.52	0.20	0.040	ppbv		2.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	13.1	0.040	0.033	ppbv		70.4	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.30	0.040	0.042	ppbv		1.7	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.031	ppbv	J	0.74	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.031	ppbv	J	0.74	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%	86%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-IA-03		
Lab Sample ID:	JA81332-6	Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp.	Summa ID: A074 Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32874.D	1	07/22/11	YMH	n/a	n/a	VW1343
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	17.8	0.20	0.036	ppbv		42.3	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.046	ppbv	J	0.48	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	0.097	0.20	0.039	ppbv	J	0.26	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	1.9	0.20	0.037	ppbv		3.9	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.038	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.26	0.10	0.025	ppbv		1.6	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	11.9	0.50	0.095	ppbv		22.4	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.29	0.20	0.031	ppbv		1.3	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-03				
Lab Sample ID:	JA81332-6			Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp.	Summa ID:	A074	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.24	0.20	0.033	ppbv		0.98	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.21	0.20	0.044	ppbv		0.74	0.70	ug/m3
591-78-6	100	2-Hexanone	0.31	0.20	0.043	ppbv		1.3	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.3	0.20	0.059	ppbv		3.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.92	0.20	0.027	ppbv		3.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.7	0.20	0.048	ppbv		5.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.16	0.20	0.036	ppbv	J	0.66	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.14	0.20	0.024	ppbv	J	0.69	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.15	0.20	0.028	ppbv	J	0.70	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	10.3	0.040	0.028	ppbv		69.8	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.31	0.20	0.047	ppbv		0.91	0.59	ug/m3
108-88-3	92.14	Toluene	0.48	0.20	0.040	ppbv		1.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.10	0.040	0.033	ppbv		0.54	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.32	0.040	0.042	ppbv		1.8	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.1	0.20	0.031	ppbv		4.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.43	0.20	0.031	ppbv		1.9	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.5	0.20	0.031	ppbv		6.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-IA-04		
Lab Sample ID:	JA81332-7	Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp. Summa ID: A897	Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32875.D	1	07/22/11	YMH	n/a	n/a	VW1343
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.0	0.20	0.036	ppbv		12	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.046	ppbv	J	0.61	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.51	0.20	0.037	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.038	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.025	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	25.1	0.50	0.095	ppbv		47.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.031	ppbv	J	0.61	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-04				
Lab Sample ID:	JA81332-7			Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp.	Summa ID:	A897	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.12	0.20	0.044	ppbv	J	0.42	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.4	0.20	0.059	ppbv		3.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.39	0.20	0.027	ppbv		1.4	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.39	0.20	0.048	ppbv		1.2	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.10	0.20	0.028	ppbv	J	0.47	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	2.3	0.040	0.028	ppbv		16	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.48	0.20	0.040	ppbv		1.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.040	0.042	ppbv		1.5	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.46	0.20	0.031	ppbv		2.0	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.16	0.20	0.031	ppbv	J	0.69	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.62	0.20	0.031	ppbv		2.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-SS-04		
Lab Sample ID:	JA81332-8	Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A832	Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32876.D	1	07/23/11	YMH	n/a	n/a	VW1343
Run #2	W32891.D	30.6	07/25/11	YMH	n/a	n/a	VW1344

	Initial Volume
Run #1	400 ml
Run #2	200 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	227 [a]	12	2.2	ppbv		539 [a]	29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	1.9	0.20	0.046	ppbv		6.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	1.4	0.20	0.032	ppbv		4.4	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.75	0.20	0.028	ppbv		3.7	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.21	0.20	0.037	ppbv		0.43	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.038	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.92	0.20	0.038	ppbv		3.6	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.10	0.10	0.025	ppbv		0.60	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	4.8	0.50	0.095	ppbv		9.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.96	0.20	0.031	ppbv		4.2	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-04		
Lab Sample ID:	JA81332-8	Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A832	Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.74	0.20	0.033	ppbv		3.0	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	1.2	0.20	0.044	ppbv		4.2	0.70	ug/m3
591-78-6	100	2-Hexanone	1.4	0.20	0.043	ppbv		5.7	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.5	0.20	0.059	ppbv		6.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.027	ppbv		0.87	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	39.5	0.20	0.048	ppbv		116	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.75	0.20	0.036	ppbv		3.1	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.47	0.20	0.027	ppbv		2.0	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.11	0.040	0.022	ppbv		0.60	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.25	0.20	0.024	ppbv		1.2	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	620 [a]	2.4	1.7	ppbv		4200 [a]	16	ug/m3
109-99-9	72.11	Tetrahydrofuran	2.2	0.20	0.047	ppbv		6.5	0.59	ug/m3
108-88-3	92.14	Toluene	2.0	0.20	0.040	ppbv		7.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	80.9 [a]	2.4	2.0	ppbv		435 [a]	13	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.28	0.040	0.042	ppbv		1.6	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.8	0.20	0.031	ppbv		7.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.66	0.20	0.031	ppbv		2.9	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.4	0.20	0.031	ppbv		10	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%	82%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-IA-05		
Lab Sample ID:	JA81332-9	Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp. Summa ID: A460	Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32878.D	1	07/23/11	YMH	n/a	n/a	VW1343
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	20.3	0.20	0.036	ppbv		48.2	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.046	ppbv	J	0.58	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.76	0.20	0.037	ppbv		1.6	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.038	ppbv		2.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	0.14	0.10	0.025	ppbv		0.84	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	15.6	0.50	0.095	ppbv		29.4	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.44	0.20	0.031	ppbv		1.9	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-05				
Lab Sample ID:	JA81332-9			Date Sampled:	07/15/11
Matrix:	AIR - Indoor Air Comp.	Summa ID:	A460	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.57	0.20	0.024	ppbv		2.8	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	0.15	0.20	0.033	ppbv	J	0.61	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.17	0.20	0.044	ppbv	J	0.60	0.70	ug/m3
591-78-6	100	2-Hexanone	0.10	0.20	0.043	ppbv	J	0.41	0.82	ug/m3
98-82-8	120	Isopropylbenzene	0.15	0.20	0.031	ppbv	J	0.74	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.5	0.20	0.059	ppbv		6.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.24	0.20	0.027	ppbv		0.83	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	4.7	0.20	0.048	ppbv		14	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	1.6	0.20	0.027	ppbv		6.8	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	3.8	0.20	0.024	ppbv		19	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	1.2	0.20	0.028	ppbv		5.9	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.11	0.20	0.028	ppbv	J	0.51	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	6.2	0.040	0.028	ppbv		42	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.63	0.20	0.040	ppbv		2.4	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.14	0.040	0.033	ppbv		0.75	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.040	0.042	ppbv		1.5	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.7	0.20	0.031	ppbv		7.4	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.78	0.20	0.031	ppbv		3.4	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.5	0.20	0.031	ppbv		11	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-SS-05		
Lab Sample ID:	JA81332-10	Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A482	Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32879.D	1	07/23/11	YMH	n/a	n/a	VW1343
Run #2	W32892.D	1	07/25/11	YMH	n/a	n/a	VW1344

	Initial Volume
Run #1	400 ml
Run #2	40.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	9.2	0.20	0.036	ppbv		22	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.12	0.20	0.046	ppbv	J	0.38	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.26	0.20	0.032	ppbv		0.81	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.11	0.20	0.028	ppbv	J	0.54	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.40	0.20	0.037	ppbv		0.83	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.038	ppbv		2.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.63	0.20	0.033	ppbv		2.5	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	6.7	0.20	0.038	ppbv		27	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.025	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	2.6	0.50	0.095	ppbv		4.9	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-05				
Lab Sample ID:	JA81332-10			Date Sampled:	07/15/11
Matrix:	AIR - Soil Vapor Comp.	Summa ID:	A482	Date Received:	07/19/11
Method:	TO-15			Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY				

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.096	0.20	0.044	ppbv	J	0.34	0.70	ug/m3
591-78-6	100	2-Hexanone	0.10	0.20	0.043	ppbv	J	0.41	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.44	0.20	0.059	ppbv		1.1	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.23	0.20	0.027	ppbv		0.80	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.3	0.20	0.048	ppbv		3.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.13	0.040	0.022	ppbv		0.71	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.13	0.20	0.024	ppbv	J	0.64	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	153 [a]	0.40	0.28	ppbv		1040 [a]	2.7	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.67	0.20	0.047	ppbv		2.0	0.59	ug/m3
108-88-3	92.14	Toluene	0.34	0.20	0.040	ppbv		1.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	5.2	0.040	0.033	ppbv		28	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.28	0.040	0.042	ppbv		1.6	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.25	0.20	0.031	ppbv		1.1	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.25	0.20	0.031	ppbv		1.1	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%	96%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-OA-01		
Lab Sample ID:	JA81332-11	Date Sampled:	07/15/11
Matrix:	AIR - Ambient Air Comp.	Summa ID: A1 Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32880.D	1	07/23/11	YMH	n/a	n/a	VW1343
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	5.7	0.20	0.036	ppbv		14	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.11	0.20	0.046	ppbv	J	0.35	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.51	0.20	0.037	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.040	0.027	ppbv		ND	0.31	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.038	ppbv		2.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.040	0.027	ppbv		ND	0.34	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.037	ppbv		ND	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.027	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.025	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	3.0	0.50	0.095	ppbv		5.7	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.094	0.20	0.031	ppbv	J	0.41	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@628567 22:38 09-Aug-2011

Report of Analysis

Client Sample ID:	JH-OA-01		
Lab Sample ID:	JA81332-11	Date Sampled:	07/15/11
Matrix:	AIR - Ambient Air Comp. Summa ID: A12	Date Received:	07/19/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.040	0.034	ppbv		ND	0.31	ug/m3
76-14-2	170.9	Freon 114	ND	0.040	0.031	ppbv		ND	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	ug/m3
110-54-3	86.17	Hexane	0.12	0.20	0.044	ppbv	J	0.42	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.76	0.20	0.059	ppbv		1.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.027	ppbv		0.69	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.56	0.20	0.048	ppbv		1.7	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.040	0.022	ppbv		ND	0.22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.040	0.030	ppbv		ND	0.27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.040	0.030	ppbv		ND	0.22	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.095	0.20	0.024	ppbv	J	0.47	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.15	0.20	0.028	ppbv	J	0.70	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.89	0.040	0.028	ppbv		6.0	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.95	0.20	0.040	ppbv		3.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.040	0.042	ppbv		1.6	0.22	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.30	0.20	0.031	ppbv		1.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.11	0.20	0.031	ppbv	J	0.48	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.41	0.20	0.031	ppbv		1.8	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

VOLATILE ORGANIC COMPOUNDS
Compendium Method TO-15 - Level IV Review

Client: ERM, Melville, NY

Site: J&H Manufacturing Site – Carle Place, New York

SDG #s: JA94305

Laboratory: Accutest Laboratories – Dayton, New Jersey Date: March 20, 2012

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	JH-IA-01	JA94305-1	Air
2	JH-SS-01	JA94305-2	Air
3	JH-IA-02	JA94305-3	Air
4	JH-SS-02	JA94305-4	Air
5	JH-IA-03	JA94305-5	Air
6	JH-SS-03	JA94305-6	Air
7	JH-IA-04	JA94305-7	Air
8	JH-SS-04	JA94305-8	Air
9	JH-IA-05	JA94305-9	Air
10	JH-SS-05	JA94305-10	Air
11	JH-OSV-01	JA94305-11	Air
12	JH-OA-01	JA94305-12	Air

The samples were analyzed following "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B", Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry *(GC/MS)*". The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical methods, the NYSDEC ASP, the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 4, October 2006: Validating Volatile Organic Analysis of Ambient Air in canister by Method TO-15 and the reviewer's professional judgment.

Chains-of-Custody (COCs) – All five (5) indoor air (IA) samples contained in the above referenced SDG (JH-IA-01, JH-IA-02, JH-IA-03, JH-IA-04, and JH-IA-05) are not included in this review due to a possible issue with the building's indoor air during sample collection. This issue has no affect on the validity or usability of any other samples. No other discrepancies were identified.

Data completeness, Deliverables and Analysis Data Sheets (Form I) – No discrepancies other than the previously mentioned were identified.

Canister Receipt/Log-in sheet (Leak Checks) – A review of the final canister pressures by the laboratory upon sample receipt indicated no discrepancies.

Canister Certification Blanks/Spikes/Pressure Differences - No discrepancies were identified.

Holding Times - No discrepancies were identified.

Surrogates - All Surrogate percent recoveries (%R) were within QC limits.

Blank Spike/ Blank Spike Duplicate Sample (BS/BSD) - The BS/BSD exhibited %R and RPD within QC criteria except the BS/BSD applicable to EDS 11 and EDS 12 where the %R for Hexachlorobutadiene was slightly above QC criteria 143% (QC limits 70-130%). No qualification of the sample data is required as Hexachlorobutadiene was not positively identified in either sample.

Laboratory Duplicate – A laboratory duplicate analysis was performed on one of the IA samples not being reviewed. Batch QC was also provided. Neither has any bearing on the quality of the samples being reviewed. No other discrepancies were observed.

Method Blank - The method blank contained no contamination.

GC/MS Tuning - No discrepancies were identified.

Initial Calibration - The initial calibration exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibration exhibited acceptable %D and RRF values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Detection Limits/Compound Identification – The standard initial sample volume utilized by the laboratory for samples was 400 ml. The reporting limit (RL) for all compounds is 0.20 ppbv. RLs reported in $\mu g/m^3$ are dependant on the molecular weight of each compound and vary significantly.

The table below includes samples that required reanalysis at a dilution due to target compound concentrations exceeding the calibration range of the instrument in the initial analysis. The sample volume used for the secondary analysis is also listed. Results for both analyses are reported on the same Form I. The laboratory has footnoted which results are from the second analysis. All other compounds are reported from the initial analysis. No qualification of the sample data is required. All other criteria were met.

Sample	Compounds Reported from Secondary Analysis	Initial Volume from Secondary Analysis
JH-SS-03	Tetrachloroethene	50 ml
JH-SS-04	Tetrachloroethene	25 ml
JH-SS-05	Tetrachloroethene	50 ml

Field Duplicate Sample Precision – No Field Duplicate Sample was collected.

Accutest LabLink@661954 01:41 15-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-01		
Lab Sample ID:	JA94305-2	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A984	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W25260.D	1	12/13/11	YXC	n/a	n/a	V3W1000
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.1	0.20	0.036	ppbv		9.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.16	0.20	0.032	ppbv	J	0.50	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.41	0.20	0.038	ppbv		2.0	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	2.8	0.50	0.095	ppbv		5.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-01		
Lab Sample ID:	JA94305-2	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A984	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.50	0.20	0.048	ppbv		1.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.87	0.040	0.028	ppbv		5.9	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.32	0.20	0.040	ppbv		1.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.13	0.040	0.033	ppbv		0.70	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.20	0.042	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 3W25308.D

Accutest LabLink@661954 01:41 15-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-02		
Lab Sample ID:	JA94305-4	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A314	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W25308.D	1	12/15/11	YXC	n/a	n/a	V3W1002
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	12.0	0.20	0.036	ppbv		28.5	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.10	0.20	0.046	ppbv	J	0.32	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.80	0.20	0.028	ppbv		3.9	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.13	0.20	0.037	ppbv	J	0.27	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.23	0.20	0.028	ppbv		0.93	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.68	0.20	0.038	ppbv		3.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	0.92	0.20	0.025	ppbv		5.5	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	2.9	0.50	0.095	ppbv		5.5	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.10	0.20	0.031	ppbv	J	0.43	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-02		
Lab Sample ID:	JA94305-4	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A314	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	0.30	0.20	0.043	ppbv		1.2	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.69	0.20	0.059	ppbv		1.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	2.5	0.20	0.027	ppbv		8.7	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.9	0.20	0.048	ppbv		5.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.14	0.20	0.022	ppbv	J	0.76	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	34.6	0.040	0.028	ppbv		235	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.67	0.20	0.040	ppbv		2.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	2.7	0.040	0.033	ppbv		15	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.36	0.20	0.042	ppbv		2.0	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.28	0.20	0.031	ppbv		1.2	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.28	0.20	0.031	ppbv		1.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661954 01:41 15-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-03		
Lab Sample ID:	JA94305-6	Date Sampled:	12/07/11
Matrix:	AIR - Indoor Air Comp. Summa ID: A848	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W25311.D	1	12/15/11	YXC	n/a	n/a	V3W1002
Run #2	3W25312.D	1	12/15/11	YXC	n/a	n/a	V3W1002

	Initial Volume
Run #1	400 ml
Run #2	50.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.9	0.20	0.036	ppbv		6.9	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.14	0.20	0.046	ppbv	J	0.45	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.10	0.20	0.032	ppbv	J	0.31	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.10	0.20	0.028	ppbv	J	0.49	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.55	0.20	0.038	ppbv		2.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	2.6	0.20	0.038	ppbv		10	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	3.2	0.50	0.095	ppbv		6.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-03		
Lab Sample ID:	JA94305-6	Date Sampled:	12/07/11
Matrix:	AIR - Indoor Air Comp. Summa ID: A848	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.20	0.20	0.059	ppbv		0.49	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.47	0.20	0.027	ppbv		1.6	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.35	0.20	0.048	ppbv		1.0	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.11	0.20	0.027	ppbv	J	0.47	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	50.0 [a]	0.32	0.23	ppbv		339 [a]	2.2	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.25	0.20	0.040	ppbv		0.94	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	7.4	0.040	0.033	ppbv		40	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.20	0.042	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%	92%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661954 01:41 15-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-04		
Lab Sample ID:	JA94305-8	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A254	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W25314.D	1	12/15/11	YXC	n/a	n/a	V3W1002
Run #2	3W25315.D	1	12/15/11	YXC	n/a	n/a	V3W1002

	Initial Volume
Run #1	400 ml
Run #2	25.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.6	0.20	0.036	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.27	0.20	0.046	ppbv		0.86	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.11	0.20	0.032	ppbv	J	0.34	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	0.18	0.20	0.027	ppbv	J	0.83	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.32	0.20	0.028	ppbv		1.6	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.11	0.20	0.037	ppbv	J	0.23	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.20	0.038	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.43	0.20	0.038	ppbv		1.7	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	1.7	0.50	0.095	ppbv		3.2	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-04		
Lab Sample ID:	JA94305-8	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A254	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.24	0.20	0.059	ppbv		0.59	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.27	0.20	0.027	ppbv		0.94	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.78	0.20	0.048	ppbv		2.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	91.8 [a]	0.64	0.45	ppbv		623 [a]	4.3	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.21	0.20	0.047	ppbv		0.62	0.59	ug/m3
108-88-3	92.14	Toluene	0.32	0.20	0.040	ppbv		1.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	22.0	0.040	0.033	ppbv		118	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.042	ppbv		1.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.17	0.20	0.031	ppbv	J	0.74	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.17	0.20	0.031	ppbv	J	0.74	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%	90%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661954 01:41 15-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-05		
Lab Sample ID:	JA94305-10	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A168	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W25317.D	1	12/15/11	YXC	n/a	n/a	V3W1002
Run #2	3W25318.D	1	12/15/11	YXC	n/a	n/a	V3W1002

	Initial Volume
Run #1	400 ml
Run #2	50.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.7	0.20	0.036	ppbv		8.8	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.046	ppbv	J	0.51	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	0.20	0.20	0.032	ppbv		0.62	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	0.096	0.20	0.027	ppbv	J	0.44	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.20	0.20	0.037	ppbv		0.41	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	0.20	0.038	ppbv		2.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.70	0.20	0.033	ppbv		2.8	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	5.1	0.20	0.038	ppbv		20	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	10.8	0.50	0.095	ppbv		20.3	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.10	0.20	0.031	ppbv	J	0.43	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-05		
Lab Sample ID:	JA94305-10	**Date Sampled:**	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A168	**Date Received:**	12/09/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.30	0.20	0.044	ppbv		1.1	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.61	0.20	0.059	ppbv		1.5	0.49	ug/m3
75-09-2	84.94	Methylene chloride	2.0	0.20	0.027	ppbv		6.9	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.40	0.20	0.048	ppbv		1.2	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.94	0.20	0.027	ppbv		4.0	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.21	0.20	0.022	ppbv		1.1	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.15	0.20	0.024	ppbv	J	0.74	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	103 [a]	0.32	0.23	ppbv		698 [a]	2.2	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.50	0.20	0.040	ppbv		1.9	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	4.2	0.040	0.033	ppbv		23	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.042	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.27	0.20	0.031	ppbv		1.2	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.27	0.20	0.031	ppbv		1.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%	92%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661954 01:41 15-Mar-2012

Report of Analysis

Client Sample ID:	JH-OSV-01		
Lab Sample ID:	JA94305-11	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A224	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W25334.D	1	12/15/11	YXC	n/a	n/a	V3W1003
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.3	0.20	0.036	ppbv		10	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.99	0.20	0.028	ppbv		4.8	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	0.20	0.038	ppbv		2.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	1.5	0.50	0.095	ppbv		2.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-OSV-01		
Lab Sample ID:	JA94305-11	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A224	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.30	0.20	0.059	ppbv		0.74	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.37	0.20	0.048	ppbv		1.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.13	0.20	0.022	ppbv	J	0.71	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	5.9	0.040	0.028	ppbv		40	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.93	0.20	0.040	ppbv		3.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.32	0.040	0.033	ppbv		1.7	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.20	0.042	ppbv		1.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661954 01:41 15-Mar-2012

Report of Analysis

Client Sample ID:	JH-OA-01		
Lab Sample ID:	JA94305-12	Date Sampled:	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A475	Date Received:	12/09/11
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W25336.D	1	12/15/11	YXC	n/a	n/a	V3W1003
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.6	0.20	0.036	ppbv		8.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.34	0.20	0.046	ppbv		1.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.61	0.20	0.037	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	0.20	0.038	ppbv		2.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	3.6	0.50	0.095	ppbv		6.8	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-OA-01		
Lab Sample ID:	JA94305-12	**Date Sampled:**	12/07/11
Matrix:	AIR - Soil Vapor Comp. Summa ID: A475	**Date Received:**	12/09/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.10	0.20	0.033	ppbv	J	0.41	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.24	0.20	0.044	ppbv		0.85	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.76	0.20	0.059	ppbv		1.9	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.58	0.20	0.027	ppbv		2.0	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45	0.20	0.048	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.10	0.20	0.024	ppbv	J	0.49	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.11	0.20	0.028	ppbv	J	0.51	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.71	0.040	0.028	ppbv		4.8	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.79	0.20	0.040	ppbv		3.0	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.20	0.042	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.28	0.20	0.031	ppbv		1.2	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.11	0.20	0.031	ppbv	J	0.48	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.39	0.20	0.031	ppbv		1.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ENVIRONMENTAL Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
Compendium Method TO-15 - Level IV Review

Client: ERM, Melville, NY

Site: J&H Manufacturing Site – Carle Place, New York

SDG #s: JA99245

Laboratory: Accutest Laboratories – Dayton, New Jersey Date: March 22, 2012

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	JH-SS-03	JA99245-1	Air
2	JH-SS-02	JA99245-2	Air
3	JH-SS-01	JA99245-3	Air
4	JH-SS-04	JA99245-4	Air
5	JH-SS-05	JA99245-5	Air
6	JH-IA-03	JA99245-6	Air
7	JH-IA-02	JA99245-7	Air
8	JH-IA-01	JA99245-8	Air
9	JH-IA-04	JA99245-9	Air
10	JH-IA-05	JA99245-10	Air
11	JH-OA-01	JA99245-11	Air

The samples were analyzed following "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B", Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry *(GC/MS)*". The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical methods, the NYSDEC ASP, the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 4, October 2006: Validating Volatile Organic Analysis of Ambient Air in canister by Method TO-15 and the reviewer's professional judgment.

Chains-of-Custody (COCs) - No discrepancies were identified.

Data completeness, Deliverables and Analysis Data Sheets (Form I) – No discrepancies were identified.

Canister Receipt/Log-in sheet (Leak Checks) – A review of the final canister pressures by the laboratory upon sample receipt indicated no discrepancies.

Canister Certification Blanks/Spikes/Pressure Differences - No discrepancies were identified.

Holding Times - No discrepancies were identified.

Surrogates - All Surrogate percent recoveries (%R) were within QC limits.

Blank Spike/ Blank Spike Duplicate Sample (BS/BSD) - The BS/BSD exhibited %R and RPD within QC criteria.

Laboratory Duplicate - No discrepancies were observed.

Method Blank - The method blank contained no contamination.

GC/MS Tuning - No discrepancies were identified.

Initial Calibration - The initial calibration exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibration exhibited acceptable %D and RRF values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Detection Limits/Compound Identification – The standard initial sample volume utilized by the laboratory for samples was 400 ml. The reporting limit (RL) for all compounds is 0.20 ppbv. RLs reported in $\mu g/m^3$ are dependant on the molecular weight of each compound and vary significantly.

The table below includes samples that required reanalysis at a dilution due to target compound concentrations exceeding the calibration range of the instrument in the initial analysis. Results for both analyses are reported on the same Form I. The laboratory has footnoted which results are from the second analysis. All other compounds are reported from the initial analysis. No qualification of the sample data is required. All other criteria were met.

Sample	Compounds Reported from Second Analysis
JH-IA-02	Acetone, Ethanol
JH-SS-02	Tetrachloroethene
JH-IA-03	Acetone
JH-SS-03	Acetone, Ethanol
JH-IA-04	Acetone, Ethanol
JH-SS-04	Acetone, Ethanol, Tetrachloroethene
JH-SS-05	Acetone, Ethanol, Tetrachloroethene

Ethanol was reported in sample JH-IA-01 with an E qualifier. This indicates that the concentration of Ethanol in sample JH-IA-01 was above the calibration range of the instrument. The sample was not reanalyzed by the laboratory for Ethanol as this compound is suspected to be a contaminant possibly present since it is routinely added to the gas cylinders supplied by the commercial standard suppliers. Ethanol is not of concern at the site. The value is considered estimated and has been qualified J. The value is still useable as an estimated positive detect.

Field Duplicate Sample Precision – No Field Duplicate Sample was collected.

Raw Data: 3W26256.D

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-IA-01		
Lab Sample ID:	JA99245-8	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1040	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26256.D	1	02/15/12	YXC	n/a	n/a	V3W1034
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	11.9	0.20	0.036	ppbv		28.3	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.44	0.20	0.046	ppbv		1.4	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.037	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.20	0.038	ppbv		2.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	0.11	0.20	0.025	ppbv	J	0.66	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	64.3	0.50	0.095	ppbv	E	121	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.031	ppbv	J	0.61	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-01		
Lab Sample ID:	JA99245-8	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1040	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.15	0.20	0.033	ppbv	J	0.61	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.29	0.20	0.044	ppbv		1.0	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	10.5	0.20	0.059	ppbv		25.8	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.26	0.20	0.027	ppbv		0.90	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.38	0.20	0.048	ppbv		1.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.18	0.20	0.024	ppbv	J	0.88	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.13	0.20	0.028	ppbv	J	0.61	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.096	0.040	0.028	ppbv		0.65	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.5	0.20	0.040	ppbv		5.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.28	0.20	0.042	ppbv		1.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.42	0.20	0.031	ppbv		1.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.15	0.20	0.031	ppbv	J	0.65	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.57	0.20	0.031	ppbv		2.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-IA-02		
Lab Sample ID:	JA99245-7	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1049	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26271.D	1	02/16/12	YXC	n/a	n/a	V3W1034
Run #2	3W26272.D	1	02/16/12	YXC	n/a	n/a	V3W1034

	Initial Volume
Run #1	400 ml
Run #2	80.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	88.8 [a]	1.0	0.18	ppbv		211 [a]	2.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.55	0.20	0.046	ppbv		1.8	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.19	0.20	0.028	ppbv	J	0.93	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.55	0.20	0.037	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.52	0.20	0.038	ppbv		2.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	0.40	0.20	0.025	ppbv		2.4	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	93.7 [a]	2.5	0.47	ppbv		177 [a]	4.7	ug/m3
100-41-4	106.2	Ethylbenzene	0.41	0.20	0.031	ppbv		1.8	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-02		
Lab Sample ID:	JA99245-7	**Date Sampled:**	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1049	**Date Received:**	02/13/12
Method:	TO-15	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.097	0.20	0.024	ppbv	J	0.48	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.44	0.20	0.033	ppbv		1.8	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.44	0.20	0.044	ppbv		1.6	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	9.4	0.20	0.059	ppbv		23	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.23	0.20	0.027	ppbv		0.80	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.1	0.20	0.048	ppbv		3.2	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.10	0.20	0.036	ppbv	J	0.41	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.28	0.20	0.027	ppbv		1.2	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.57	0.20	0.024	ppbv		2.8	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.17	0.20	0.028	ppbv	J	0.84	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.30	0.20	0.028	ppbv		1.4	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.33	0.040	0.028	ppbv		2.2	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	13.7	0.20	0.040	ppbv		51.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.042	0.040	0.033	ppbv		0.23	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.28	0.20	0.042	ppbv		1.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.6	0.20	0.031	ppbv		6.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.62	0.20	0.031	ppbv		2.7	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.2	0.20	0.031	ppbv		9.6	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%	103%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-IA-03		
Lab Sample ID:	JA99245-6	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1034	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26270.D	1	02/16/12	YXC	n/a	n/a	V3W1034
Run #2	3W26279.D	1	02/16/12	YXC	n/a	n/a	V3W1035

	Initial Volume
Run #1	400 ml
Run #2	100 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	74.6 [a]	0.80	0.15	ppbv		177 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.59	0.20	0.046	ppbv		1.9	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.24	0.20	0.028	ppbv		1.2	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.51	0.20	0.037	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.038	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	0.11	0.20	0.025	ppbv	J	0.66	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	28.7	0.50	0.095	ppbv		54.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.39	0.20	0.031	ppbv		1.7	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-03		
Lab Sample ID:	JA99245-6	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1034	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.12	0.20	0.024	ppbv	J	0.59	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.35	0.20	0.033	ppbv		1.4	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.46	0.20	0.044	ppbv		1.6	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.1	0.20	0.059	ppbv		5.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.23	0.20	0.027	ppbv		0.80	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.5	0.20	0.048	ppbv		4.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.12	0.20	0.036	ppbv	J	0.49	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.29	0.20	0.027	ppbv		1.2	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.46	0.20	0.024	ppbv		2.3	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.17	0.20	0.028	ppbv	J	0.84	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.25	0.20	0.028	ppbv		1.2	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.37	0.040	0.028	ppbv		2.5	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	17.1	0.20	0.040	ppbv		64.4	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.040	0.040	0.033	ppbv		0.21	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.20	0.042	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.4	0.20	0.031	ppbv		6.1	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.55	0.20	0.031	ppbv		2.4	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.0	0.20	0.031	ppbv		8.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%	105%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-IA-04		
Lab Sample ID:	JA99245-9	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1030	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26257.D	1	02/15/12	YXC	n/a	n/a	V3W1034
Run #2	3W26280.D	1	02/16/12	YXC	n/a	n/a	V3W1035

	Initial Volume
Run #1	400 ml
Run #2	80.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	65.9 [a]	1.0	0.18	ppbv		157 [a]	2.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.51	0.20	0.046	ppbv		1.6	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.24	0.20	0.028	ppbv		1.2	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.48	0.20	0.037	ppbv		0.99	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.038	ppbv		2.1	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	0.098	0.20	0.025	ppbv	J	0.59	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	47.5 [a]	2.5	0.47	ppbv		89.5 [a]	4.7	ug/m3
100-41-4	106.2	Ethylbenzene	0.36	0.20	0.031	ppbv		1.6	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-04		
Lab Sample ID:	JA99245-9	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1030	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.11	0.20	0.024	ppbv	J	0.54	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.24	0.20	0.033	ppbv		0.98	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.39	0.20	0.044	ppbv		1.4	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.4	0.20	0.059	ppbv		11	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.31	0.20	0.027	ppbv		1.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.4	0.20	0.048	ppbv		4.1	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.10	0.20	0.036	ppbv	J	0.41	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.27	0.20	0.027	ppbv		1.1	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.52	0.20	0.024	ppbv		2.6	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.18	0.20	0.028	ppbv	J	0.88	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.22	0.20	0.028	ppbv		1.0	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.30	0.040	0.028	ppbv		2.0	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	14.1	0.20	0.040	ppbv		53.1	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.035	0.040	0.033	ppbv	J	0.19	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.20	0.042	ppbv		1.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.3	0.20	0.031	ppbv		5.6	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.50	0.20	0.031	ppbv		2.2	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.8	0.20	0.031	ppbv		7.8	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	104%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-IA-05		
Lab Sample ID:	JA99245-10	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1050	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26258.D	1	02/15/12	YXC	n/a	n/a	V3W1034
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	9.4	0.20	0.036	ppbv		22	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.39	0.20	0.046	ppbv		1.2	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.46	0.20	0.037	ppbv		0.95	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.39	0.20	0.038	ppbv		1.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	8.9	0.50	0.095	ppbv		17	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.031	ppbv	J	0.61	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-05		
Lab Sample ID:	JA99245-10	Date Sampled:	02/10/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A1050	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.11	0.20	0.033	ppbv	J	0.45	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.26	0.20	0.044	ppbv		0.92	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.98	0.20	0.059	ppbv		2.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.29	0.20	0.027	ppbv		1.0	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.51	0.20	0.048	ppbv		1.5	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.77	0.20	0.027	ppbv		3.3	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.21	0.20	0.024	ppbv		1.0	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.12	0.20	0.028	ppbv	J	0.56	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.20	0.040	0.028	ppbv		1.4	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	1.2	0.20	0.040	ppbv		4.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.20	0.042	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.44	0.20	0.031	ppbv		1.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.18	0.20	0.031	ppbv	J	0.78	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.62	0.20	0.031	ppbv		2.7	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 3W26261.D

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-01		
Lab Sample ID:	JA99245-3	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A199	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26261.D	1	02/15/12	YXC	n/a	n/a	V3W1034
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.1	0.20	0.036	ppbv		7.4	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.038	ppbv		2.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	3.5	0.50	0.095	ppbv		6.6	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-01		
Lab Sample ID:	JA99245-3	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A199	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.33	0.20	0.059	ppbv		0.81	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45	0.20	0.048	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.10	0.20	0.028	ppbv	J	0.47	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.38	0.040	0.028	ppbv		2.6	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.11	0.20	0.040	ppbv	J	0.41	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.099	0.040	0.033	ppbv		0.53	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.20	0.042	ppbv		1.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-02		
Lab Sample ID:	JA99245-2	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1035	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26264.D	1	02/16/12	YXC	n/a	n/a	V3W1034
Run #2	3W26265.D	1	02/16/12	YXC	n/a	n/a	V3W1034

	Initial Volume
Run #1	400 ml
Run #2	60.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.7	0.20	0.036	ppbv		11	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.72	0.20	0.028	ppbv		3.5	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.11	0.20	0.037	ppbv	J	0.23	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.0	0.20	0.038	ppbv		4.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	0.44	0.20	0.025	ppbv		2.6	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	5.7	0.50	0.095	ppbv		11	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-02		
Lab Sample ID:	JA99245-2	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1035	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.41	0.20	0.059	ppbv		1.0	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.39	0.20	0.027	ppbv		1.4	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.45	0.20	0.048	ppbv		1.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.48	0.20	0.022	ppbv		2.6	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.15	0.20	0.028	ppbv	J	0.70	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	51.5 [a]	0.27	0.19	ppbv		349 [a]	1.8	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.14	0.20	0.040	ppbv	J	0.53	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	3.2	0.040	0.033	ppbv		17	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.20	0.042	ppbv		2.4	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.11	0.20	0.031	ppbv	J	0.48	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.11	0.20	0.031	ppbv	J	0.48	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%	97%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-03		
Lab Sample ID:	JA99245-1	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1031	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26262.D	1	02/16/12	YXC	n/a	n/a	V3W1034
Run #2	3W26263.D	1	02/16/12	YXC	n/a	n/a	V3W1034

	Initial Volume
Run #1	400 ml
Run #2	80.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	48.0 [a]	1.0	0.18	ppbv		114 [a]	2.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.33	0.20	0.046	ppbv		1.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.17	0.20	0.028	ppbv	J	0.83	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.24	0.20	0.037	ppbv		0.50	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.1	0.20	0.038	ppbv		5.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	1.7	0.20	0.038	ppbv		6.7	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	55.0 [a]	2.5	0.47	ppbv		104 [a]	4.7	ug/m3
100-41-4	106.2	Ethylbenzene	0.26	0.20	0.031	ppbv		1.1	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-03		
Lab Sample ID:	JA99245-1	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1031	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.36	0.20	0.024	ppbv		1.8	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.18	0.20	0.033	ppbv	J	0.74	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.20	0.20	0.044	ppbv		0.70	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	8.9	0.20	0.059	ppbv		22	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.24	0.20	0.027	ppbv		0.83	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	6.9	0.20	0.048	ppbv		20	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.13	0.20	0.027	ppbv	J	0.55	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.2	0.20	0.024	ppbv		5.9	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.47	0.20	0.028	ppbv		2.3	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.19	0.20	0.028	ppbv	J	0.89	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	19.6	0.040	0.028	ppbv		133	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	2.8	0.20	0.047	ppbv		8.3	0.59	ug/m3
108-88-3	92.14	Toluene	6.8	0.20	0.040	ppbv		26	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	3.6	0.040	0.033	ppbv		19	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.34	0.20	0.042	ppbv		1.9	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.0	0.20	0.031	ppbv		4.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.40	0.20	0.031	ppbv		1.7	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.4	0.20	0.031	ppbv		6.1	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%	101%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-04		
Lab Sample ID:	JA99245-4	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1033	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26266.D	1	02/16/12	YXC	n/a	n/a	V3W1034
Run #2	3W26278.D	1	02/16/12	YXC	n/a	n/a	V3W1035

	Initial Volume
Run #1	400 ml
Run #2	40.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	87.1 [a]	2.0	0.36	ppbv		207 [a]	4.8	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.34	0.20	0.046	ppbv		1.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.37	0.20	0.028	ppbv		1.8	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.14	0.20	0.037	ppbv	J	0.29	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.038	ppbv		2.3	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.73	0.20	0.038	ppbv		2.9	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	113 [a]	5.0	0.95	ppbv		213 [a]	9.4	ug/m3
100-41-4	106.2	Ethylbenzene	0.40	0.20	0.031	ppbv		1.7	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-04		
Lab Sample ID:	JA99245-4	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1033	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.59	0.20	0.024	ppbv		2.9	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.18	0.20	0.033	ppbv	J	0.74	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.16	0.20	0.044	ppbv	J	0.56	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	12.5	0.20	0.059	ppbv		30.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.27	0.20	0.027	ppbv		0.94	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	8.3	0.20	0.048	ppbv		24	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.23	0.20	0.027	ppbv		0.98	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.9	0.20	0.024	ppbv		9.3	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.72	0.20	0.028	ppbv		3.5	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.22	0.20	0.028	ppbv		1.0	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	32.4 [a]	0.40	0.28	ppbv		220 [a]	2.7	ug/m3
109-99-9	72.11	Tetrahydrofuran	4.2	0.20	0.047	ppbv		12	0.59	ug/m3
108-88-3	92.14	Toluene	8.6	0.20	0.040	ppbv		32	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	14.2	0.040	0.033	ppbv		76.3	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.042	ppbv		1.3	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.6	0.20	0.031	ppbv		6.9	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.64	0.20	0.031	ppbv		2.8	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.2	0.20	0.031	ppbv		9.6	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%	107%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-SS-05		
Lab Sample ID:	JA99245-5	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1032	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26268.D	1	02/16/12	YXC	n/a	n/a	V3W1034
Run #2	3W26269.D	1	02/16/12	YXC	n/a	n/a	V3W1034

	Initial Volume
Run #1	400 ml
Run #2	40.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	73.5 [a]	2.0	0.36	ppbv		175 [a]	4.8	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.22	0.20	0.046	ppbv		0.70	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.12	0.20	0.028	ppbv	J	0.59	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.13	0.20	0.037	ppbv	J	0.27	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.20	0.038	ppbv		2.5	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	2.8	0.20	0.033	ppbv		11	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	19.2	0.20	0.038	ppbv		76.1	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	41.2 [a]	5.0	0.95	ppbv		77.6 [a]	9.4	ug/m3
100-41-4	106.2	Ethylbenzene	0.22	0.20	0.031	ppbv		0.96	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-05		
Lab Sample ID:	JA99245-5	Date Sampled:	02/10/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1032	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.50	0.20	0.024	ppbv		2.5	0.98	ug/m3
76-13-1	187.4	Freon 113	0.12	0.20	0.034	ppbv	J	0.92	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.033	ppbv	J	0.49	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.044	ppbv	J	0.39	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	9.5	0.20	0.059	ppbv		23	0.49	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	5.1	0.20	0.048	ppbv		15	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.50	0.20	0.027	ppbv		2.1	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1.5	0.20	0.022	ppbv		8.2	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.5	0.20	0.024	ppbv		7.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.55	0.20	0.028	ppbv		2.7	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.12	0.20	0.028	ppbv	J	0.56	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	218 [a]	0.40	0.28	ppbv		1480 [a]	2.7	ug/m3
109-99-9	72.11	Tetrahydrofuran	2.4	0.20	0.047	ppbv		7.1	0.59	ug/m3
108-88-3	92.14	Toluene	1.9	0.20	0.040	ppbv		7.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	12.5	0.040	0.033	ppbv		67.2	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.20	0.042	ppbv		1.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.81	0.20	0.031	ppbv		3.5	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.38	0.20	0.031	ppbv		1.7	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.2	0.20	0.031	ppbv		5.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	98%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@661823 11:04 14-Mar-2012

Report of Analysis

Client Sample ID:	JH-OA-01		
Lab Sample ID:	JA99245-11	Date Sampled:	02/10/12
Matrix:	AIR - Ambient Air Comp. Summa ID: A1036	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W26259.D	1	02/15/12	YXC	n/a	n/a	V3W1034
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	6.6	0.20	0.036	ppbv		16	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.40	0.20	0.046	ppbv		1.3	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.51	0.20	0.037	ppbv		1.1	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.20	0.038	ppbv		2.4	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	9.2	0.50	0.095	ppbv		17	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.11	0.20	0.031	ppbv	J	0.48	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-OA-01		
Lab Sample ID:	JA99245-11	Date Sampled:	02/10/12
Matrix:	AIR - Ambient Air Comp. Summa ID: A1036	Date Received:	02/13/12
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.10	0.20	0.033	ppbv	J	0.41	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.25	0.20	0.044	ppbv		0.88	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.031	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.96	0.20	0.059	ppbv		2.4	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.23	0.20	0.027	ppbv		0.80	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.47	0.20	0.048	ppbv		1.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.11	0.20	0.028	ppbv	J	0.51	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.059	0.040	0.028	ppbv		0.40	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.60	0.20	0.040	ppbv		2.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.20	0.042	ppbv		1.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.30	0.20	0.031	ppbv		1.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.11	0.20	0.031	ppbv	J	0.48	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.41	0.20	0.031	ppbv		1.8	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ENVIRONMENTAL Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
Compendium Method TO-15 - Level IV Review

Client: ERM, Melville, NY

Site: J&H Manufacturing Site – Carle Place, New York

SDG #s: JB22884 and JB24232

Laboratory: Accutest Laboratories – Dayton, New Jersey Date: January 18, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	JH-SS-03	JB22884-1	Air
2	JH-IA-03	JB22884-2	Air
3	JH-IA-02	JB22884-3	Air
4	JH-SS-02	JB22884-5	Air
5	JH-IA-05	JB22884-6	Air
6	JH-SS-05	JB22884-7	Air
7	JH-OA-01	JB22884-8	Air
8	JH-IA-01	JB24232-1	Air
9	JH-IA-04	JB24232-2	Air
10	JH-SS-01	JB24232-3	Air
11	JH-SS-04	JB24232-4	Air
12	JH-OA-01	JB24232-5	Air

The samples were analyzed following "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B", Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry *(GC/MS)*". The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical methods, the NYSDEC ASP, the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 4, October 2006: Validating Volatile Organic Analysis of Ambient Air in canister by Method TO-15 and the reviewer's professional judgment.

Chains-of-Custody (COCs) – Samples JH-IA-01, JH-IA-04, JH-SS-01, and JH-SS-04 were initially collected on 12/3/2012. This analysis was cancelled and the samples were recollected on 12/17/2012. No qualification of the sample data is required. No other discrepancies were identified.

Data completeness, Deliverables and Analysis Data Sheets (Form I) – The sample identification for sample EDS ID 12 has been manually corrected from JH-0A-01 to JH-OA-01. No other discrepancies were identified.

Canister Receipt/Log-in sheet (Leak Checks) – A review of the final canister pressures by the laboratory upon sample receipt indicated no discrepancies.

Canister Certification Blanks/Spikes/Pressure Differences - No discrepancies were identified.

Holding Times - No discrepancies were identified.

Surrogates - All Surrogate percent recoveries (%R) were within QC limits.

Blank Spike/ Blank Spike Duplicate Sample (BS/BSD) - The BS/BSD exhibited %R and relative percent difference (RPD) within QC criteria.

Laboratory Duplicate – The RPD for heptane was slightly above QC criteria in the laboratory duplicate analyzed on sample JH-IA-01. No qualification of the sample data is required as the concentrations were both less than twice the reporting limit (RL). No other discrepancies were observed.

Method Blank - The method blank contained no contamination.

GC/MS Tuning - No discrepancies were identified.

Initial Calibration - The initial calibration exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibration exhibited acceptable %D and RRF values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Detection Limits/Compound Identification – The standard initial sample volume utilized by the laboratory for samples was 400 ml. The reporting limit (RL) for all compounds is 0.20 ppbv. RLs reported in $\mu g/m^3$ are dependant on the molecular weight of each compound and vary significantly.

Ethanol was reported in sample JH-IA-01 with an E qualifier. This indicates that the concentration of Ethanol in sample JH-IA-01 was above the calibration range of the instrument. The sample was not reanalyzed by the laboratory for Ethanol as this compound is suspected to be a contaminant possibly present since it is routinely added to the gas cylinders supplied by the commercial standard suppliers. Ethanol is not of concern at the site. The value is considered estimated and has been qualified J. The value is still useable as an estimated positive detect.

Field Duplicate Sample Precision – No Field Duplicate Sample was collected.

Accutest LabLink@709215 02:08 23-Jan-2013

Report of Analysis

Client Sample ID: JH-SS-03
Lab Sample ID: JB22884-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A1020
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39402.D	1	12/07/12	YMH	n/a	n/a	VW1592
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	16.9	0.20	0.069	ppbv		40.1	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.38	0.20	0.029	ppbv		1.2	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.25	0.20	0.055	ppbv		0.52	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.47	0.20	0.024	ppbv		2.3	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.82	0.20	0.025	ppbv		3.3	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	24.4	0.50	0.17	ppbv		46.0	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.38	0.20	0.029	ppbv		1.7	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-SS-03
Lab Sample ID: JB22884-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A1020
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.16	0.20	0.028	ppbv	J	0.79	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.23	0.20	0.028	ppbv		0.94	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.32	0.20	0.050	ppbv		1.1	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	0.19	0.20	0.051	ppbv	J	0.78	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.9	0.20	0.065	ppbv		17	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.055	ppbv		0.87	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	5.1	0.20	0.042	ppbv		15	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.26	0.20	0.084	ppbv		1.1	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.025	ppbv	J	0.60	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.65	0.20	0.029	ppbv		3.2	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.20	0.20	0.044	ppbv		0.98	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	6.2	0.040	0.024	ppbv		42	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	5.0	0.20	0.074	ppbv		15	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	21.5	0.20	0.032	ppbv		81.0	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	1.8	0.040	0.036	ppbv		9.7	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.028	ppbv		1.3	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	1.1	0.20	0.058	ppbv		4.8	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.41	0.20	0.037	ppbv		1.8	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	1.5	0.20	0.037	ppbv		6.5	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@709215 02:08 23-Jan-2013

Report of Analysis

Client Sample ID: JH-IA-03
Lab Sample ID: JB22884-2
Matrix: AIR - Indoor Air Comp. Summa ID: A196
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39380.D	1	12/06/12	YMH	n/a	n/a	VW1591
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	17.7	0.20	0.069	ppbv		42.0	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.42	0.20	0.029	ppbv		1.3	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	0.11	0.20	0.026	ppbv	J	0.54	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.42	0.20	0.055	ppbv		0.87	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.38	0.20	0.024	ppbv		1.9	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	28.6	0.50	0.17	ppbv		53.9	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.029	ppbv		ND	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-IA-03
Lab Sample ID: JB22884-2
Matrix: AIR - Indoor Air Comp. Summa ID: A196
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.028	ppbv		ND	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.32	0.20	0.050	ppbv		1.1	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	8.6	0.20	0.065	ppbv		21	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.30	0.20	0.055	ppbv		1.0	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.3	0.20	0.042	ppbv		6.8	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.029	ppbv		ND	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.044	ppbv		ND	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.10	0.20	0.031	ppbv	J	0.47	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.16	0.040	0.024	ppbv		1.1	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	1.8	0.20	0.074	ppbv		5.3	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	0.97	0.20	0.032	ppbv		3.7	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.20	0.20	0.028	ppbv		1.1	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.058	ppbv		ND	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.037	ppbv		ND	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.037	ppbv		ND	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@709215 02:08 23-Jan-2013

Report of Analysis

Client Sample ID: JH-IA-02
Lab Sample ID: JB22884-3
Matrix: AIR - Indoor Air Comp. Summa ID: A221
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39381.D	1	12/06/12	YMH	n/a	n/a	VW1591
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	17.5	0.20	0.069	ppbv		41.6	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.63	0.20	0.029	ppbv		2.0	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.45	0.20	0.055	ppbv		0.93	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.40	0.20	0.024	ppbv		2.0	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	35.6	0.50	0.17	ppbv		67.1	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.40	0.20	0.029	ppbv		1.7	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-IA-02
Lab Sample ID: JB22884-3
Matrix: AIR - Indoor Air Comp. Summa ID: A221
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.20	0.20	0.028	ppbv		0.98	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.27	0.20	0.028	ppbv		1.1	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.55	0.20	0.050	ppbv		1.9	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	10.4	0.20	0.065	ppbv		25.6	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.37	0.20	0.055	ppbv		1.3	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.98	0.20	0.042	ppbv		2.9	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.17	0.20	0.084	ppbv	J	0.70	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.17	0.20	0.025	ppbv	J	0.72	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.79	0.20	0.029	ppbv		3.9	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.26	0.20	0.044	ppbv		1.3	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.25	0.20	0.031	ppbv		1.2	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.061	0.040	0.024	ppbv		0.41	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.72	0.20	0.074	ppbv		2.1	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	5.5	0.20	0.032	ppbv		21	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	0.20	0.028	ppbv		1.2	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	1.5	0.20	0.058	ppbv		6.5	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.59	0.20	0.037	ppbv		2.6	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	2.0	0.20	0.037	ppbv		8.7	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@709215 02:08 23-Jan-2013

Report of Analysis

Client Sample ID: JH-SS-02
Lab Sample ID: JB22884-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A1024
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39406.D	1	12/07/12	YMH	n/a	n/a	VW1592
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	30.0	0.20	0.069	ppbv		71.3	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.36	0.20	0.029	ppbv		1.2	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	3.3	0.20	0.026	ppbv		16	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.19	0.20	0.055	ppbv	J	0.39	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.10	0.20	0.020	ppbv	J	0.63	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.14	0.20	0.019	ppbv	J	0.57	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.20	0.024	ppbv		2.5	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	37.7	0.50	0.17	ppbv		71.0	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.33	0.20	0.029	ppbv		1.4	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-SS-02
Lab Sample ID: JB22884-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A1024
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.18	0.20	0.028	ppbv	J	0.88	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.17	0.20	0.028	ppbv	J	0.70	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.28	0.20	0.050	ppbv		0.99	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	0.30	0.20	0.051	ppbv		1.2	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	11.5	0.20	0.065	ppbv		28.3	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.55	0.20	0.055	ppbv		1.9	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	6.1	0.20	0.042	ppbv		18	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.49	0.20	0.084	ppbv		2.0	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.025	ppbv	J	0.60	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.73	0.20	0.029	ppbv		3.6	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.22	0.20	0.044	ppbv		1.1	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.8	0.040	0.024	ppbv		12	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	2.1	0.20	0.074	ppbv		6.2	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	4.4	0.20	0.032	ppbv		17	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	0.62	0.040	0.036	ppbv		3.3	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.36	0.20	0.028	ppbv		2.0	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	1.2	0.20	0.058	ppbv		5.2	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.48	0.20	0.037	ppbv		2.1	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	1.7	0.20	0.037	ppbv		7.4	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@709215 02:08 23-Jan-2013

Report of Analysis

Client Sample ID: JH-IA-05
Lab Sample ID: JB22884-6
Matrix: AIR - Indoor Air Comp. Summa ID: A642
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39384.D	1	12/07/12	YMH	n/a	n/a	VW1591
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	6.1	0.20	0.069	ppbv		14	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.41	0.20	0.029	ppbv		1.3	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.42	0.20	0.055	ppbv		0.87	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.20	0.024	ppbv		2.1	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	11.7	0.50	0.17	ppbv		22.0	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.25	0.20	0.029	ppbv		1.1	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-IA-05
Lab Sample ID: JB22884-6
Matrix: AIR - Indoor Air Comp. Summa ID: A642
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.15	0.20	0.028	ppbv	J	0.74	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.18	0.20	0.028	ppbv	J	0.74	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.31	0.20	0.050	ppbv		1.1	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	5.6	0.20	0.065	ppbv		14	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.45	0.20	0.055	ppbv		1.6	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.96	0.20	0.042	ppbv		2.8	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.12	0.20	0.084	ppbv	J	0.49	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.36	0.20	0.025	ppbv		1.5	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.53	0.20	0.029	ppbv		2.6	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.16	0.20	0.044	ppbv	J	0.79	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.16	0.20	0.031	ppbv	J	0.75	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.052	0.040	0.024	ppbv		0.35	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.84	0.20	0.074	ppbv		2.5	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	3.2	0.20	0.032	ppbv		12	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	0.20	0.028	ppbv		1.2	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	0.90	0.20	0.058	ppbv		3.9	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.34	0.20	0.037	ppbv		1.5	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	1.2	0.20	0.037	ppbv		5.2	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@709215 02:08 23-Jan-2013

Report of Analysis

Client Sample ID: JH-SS-05
Lab Sample ID: JB22884-7
Matrix: AIR - Soil Vapor Comp. Summa ID: A310
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39407.D	1	12/07/12	YMH	n/a	n/a	VW1592
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	4.4	0.20	0.069	ppbv		10	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.029	ppbv	J	0.58	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.055	ppbv		ND	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.024	ppbv		2.2	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.23	0.20	0.027	ppbv		0.91	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	1.5	0.20	0.025	ppbv		5.9	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	11.4	0.50	0.17	ppbv		21.5	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.24	0.20	0.029	ppbv		1.0	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-05		
Lab Sample ID:	JB22884-7	**Date Sampled:**	12/03/12
Matrix:	AIR - Soil Vapor Comp. Summa ID: A310	**Date Received:**	12/04/12
Method:	TO-15	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.14	0.20	0.028	ppbv	J	0.69	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.13	0.20	0.028	ppbv	J	0.53	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.050	ppbv		ND	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	5.0	0.20	0.065	ppbv		12	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.37	0.20	0.055	ppbv		1.3	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.1	0.20	0.042	ppbv		3.2	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.16	0.20	0.084	ppbv	J	0.66	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.36	0.20	0.025	ppbv		1.5	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.49	0.20	0.029	ppbv		2.4	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.15	0.20	0.044	ppbv	J	0.74	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	27.0	0.040	0.024	ppbv		183	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	1.1	0.20	0.074	ppbv		3.2	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	6.2	0.20	0.032	ppbv		23	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	1.4	0.040	0.036	ppbv		7.5	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.028	ppbv		1.3	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	0.76	0.20	0.058	ppbv		3.3	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.30	0.20	0.037	ppbv		1.3	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	0.20	0.037	ppbv		4.8	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@709215 02:08 23-Jan-2013

Report of Analysis

Client Sample ID: JH-OA-01
Lab Sample ID: JB22884-8
Matrix: AIR - Ambient Air Comp. Summa ID: A814
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W39386.D	1	12/07/12	YMH	n/a	n/a	VW1591
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	3.7	0.20	0.069	ppbv		8.8	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.31	0.20	0.029	ppbv		0.99	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.45	0.20	0.055	ppbv		0.93	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.20	0.024	ppbv		2.4	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	9.1	0.50	0.17	ppbv		17	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.097	0.20	0.029	ppbv	J	0.42	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-OA-01
Lab Sample ID: JB22884-8
Matrix: AIR - Ambient Air Comp. Summa ID: A814
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/03/12
Date Received: 12/04/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.098	0.20	0.028	ppbv	J	0.40	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.35	0.20	0.050	ppbv		1.2	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.73	0.20	0.065	ppbv		1.8	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	1.5	0.20	0.055	ppbv		5.2	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.36	0.20	0.042	ppbv		1.1	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.13	0.20	0.029	ppbv	J	0.64	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.044	ppbv		ND	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.11	0.20	0.031	ppbv	J	0.51	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.049	0.040	0.024	ppbv		0.33	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.074	ppbv		ND	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	0.64	0.20	0.032	ppbv		2.4	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.35	0.20	0.028	ppbv		2.0	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	0.32	0.20	0.058	ppbv		1.4	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.11	0.20	0.037	ppbv	J	0.48	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	0.43	0.20	0.037	ppbv		1.9	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@705779 21:11 03-Jan-2013

Report of Analysis

Client Sample ID: JH-IA-01
Lab Sample ID: JB24232-1
Matrix: AIR - Indoor Air Comp. Summa ID: A070
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W31607.D	1	12/19/12	YXC	n/a	n/a	V3W1228
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	9.0	0.20	0.069	ppbv		21	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.33	0.20	0.029	ppbv		1.1	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.63	0.20	0.055	ppbv		1.3	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	0.20	0.024	ppbv		2.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	92.4	0.50	0.17	ppbv	J E	174	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.12	0.20	0.029	ppbv	J	0.52	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-IA-01
Lab Sample ID: JB24232-1
Matrix: AIR - Indoor Air Comp. Summa ID: A070
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.25	0.20	0.028	ppbv		1.0	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.26	0.20	0.050	ppbv		0.92	0.70	ug/m3
591-78-6	100	2-Hexanone	0.22	0.20	0.051	ppbv		0.90	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	17.5	0.20	0.065	ppbv		43.0	0.49	ug/m3
75-09-2	84.94	Methylene chloride	1.1	0.20	0.055	ppbv		3.8	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.83	0.20	0.042	ppbv		2.4	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.14	0.20	0.029	ppbv	J	0.69	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.044	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.55	0.040	0.024	ppbv		3.7	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.074	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.73	0.20	0.032	ppbv		2.8	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.20	0.028	ppbv		1.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.34	0.20	0.058	ppbv		1.5	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.14	0.20	0.037	ppbv	J	0.61	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.48	0.20	0.037	ppbv		2.1	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@705779 21:11 03-Jan-2013

Report of Analysis

Client Sample ID: JH-IA-04
Lab Sample ID: JB24232-2
Matrix: AIR - Indoor Air Comp. Summa ID: A672
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W31609.D	1	12/19/12	YXC	n/a	n/a	V3W1228
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	3.2	0.20	0.069	ppbv		7.6	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.22	0.20	0.029	ppbv		0.70	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.16	0.20	0.026	ppbv	J	0.78	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.60	0.20	0.055	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.098	0.20	0.020	ppbv	J	0.62	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.65	0.20	0.024	ppbv		3.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	15.9	0.50	0.17	ppbv		30.0	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.029	ppbv		ND	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-IA-04
Lab Sample ID: JB24232-2
Matrix: AIR - Indoor Air Comp. Summa ID: A672
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.028	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	7.2	0.20	0.050	ppbv		25	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.7	0.20	0.065	ppbv		4.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	4.3	0.20	0.055	ppbv		15	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.042	ppbv		ND	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.029	ppbv		ND	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.044	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.54	0.20	0.031	ppbv		2.5	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.054	0.040	0.024	ppbv		0.37	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.074	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.31	0.20	0.032	ppbv		1.2	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.99	0.20	0.028	ppbv		5.6	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.22	0.20	0.058	ppbv		0.96	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.22	0.20	0.037	ppbv		0.96	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@705779 21:11 03-Jan-2013

Report of Analysis

Client Sample ID: JH-SS-01
Lab Sample ID: JB24232-3
Matrix: AIR - Soil Vapor Comp. Summa ID: A841
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W31610.D	1	12/19/12	YXC	n/a	n/a	V3W1228
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	4.1	0.20	0.069	ppbv		9.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.029	ppbv	J	0.61	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.17	0.20	0.055	ppbv	J	0.35	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.59	0.20	0.024	ppbv		2.9	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	22.4	0.50	0.17	ppbv		42.2	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.39	0.20	0.029	ppbv		1.7	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-SS-01
Lab Sample ID: JB24232-3
Matrix: AIR - Soil Vapor Comp. Summa ID: A841
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.35	0.20	0.028	ppbv		1.7	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.11	0.20	0.028	ppbv	J	0.45	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.15	0.20	0.050	ppbv	J	0.53	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	11.5	0.20	0.065	ppbv		28.3	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.44	0.20	0.055	ppbv		1.5	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.62	0.20	0.042	ppbv		1.8	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.11	0.20	0.025	ppbv	J	0.47	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.5	0.20	0.029	ppbv		7.4	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.37	0.20	0.044	ppbv		1.8	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.43	0.040	0.024	ppbv		2.9	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.46	0.20	0.074	ppbv		1.4	0.59	ug/m3
108-88-3	92.14	Toluene	5.1	0.20	0.032	ppbv		19	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.13	0.040	0.036	ppbv		0.70	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.31	0.20	0.028	ppbv		1.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.5	0.20	0.058	ppbv		6.5	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.59	0.20	0.037	ppbv		2.6	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.1	0.20	0.037	ppbv		9.1	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@705779 21:11 03-Jan-2013

Report of Analysis

Client Sample ID: JH-SS-04
Lab Sample ID: JB24232-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A234
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W31611.D	1	12/19/12	YXC	n/a	n/a	V3W1228
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	14.2	0.20	0.069	ppbv		33.7	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.41	0.20	0.029	ppbv		1.3	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	0.21	0.20	0.026	ppbv		1.0	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.26	0.20	0.055	ppbv		0.54	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	0.20	0.024	ppbv		2.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.29	0.20	0.025	ppbv		1.1	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	21.8	0.50	0.17	ppbv		41.1	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.69	0.20	0.029	ppbv		3.0	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: JH-SS-04
Lab Sample ID: JB24232-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A234
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	0.22	0.20	0.028	ppbv		1.1	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	4.5	0.20	0.028	ppbv		18	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.51	0.20	0.050	ppbv		1.8	0.70	ug/m3
591-78-6	100	2-Hexanone	10.5	0.20	0.051	ppbv		42.9	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	12.7	0.20	0.065	ppbv		31.2	0.49	ug/m3
75-09-2	84.94	Methylene chloride	0.85	0.20	0.055	ppbv		3.0	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.98	0.20	0.042	ppbv		2.9	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.26	0.20	0.084	ppbv		1.1	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	0.16	0.20	0.025	ppbv	J	0.68	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.80	0.20	0.029	ppbv		3.9	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.30	0.20	0.044	ppbv		1.5	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.12	0.20	0.031	ppbv	J	0.56	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	35.8	0.040	0.024	ppbv		243	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.54	0.20	0.074	ppbv		1.6	0.59	ug/m3
108-88-3	92.14	Toluene	28.2	0.20	0.032	ppbv		106	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	12.3	0.040	0.036	ppbv		66.1	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.32	0.20	0.028	ppbv		1.8	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	1.8	0.20	0.058	ppbv		7.8	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.68	0.20	0.037	ppbv		3.0	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	2.5	0.20	0.037	ppbv		11	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@705779 21:11 03-Jan-2013

Report of Analysis

OA

Client Sample ID: JH-~~0A~~-01
Lab Sample ID: JB24232-5
Matrix: AIR - Ambient Air Comp. Summa ID: A627
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W31612.D	1	12/19/12	YXC	n/a	n/a	V3W1228
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.3	0.20	0.069	ppbv		5.5	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.37	0.20	0.029	ppbv		1.2	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.58	0.20	0.055	ppbv		1.2	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.20	0.024	ppbv		2.8	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	ug/m3
64-17-5	46.07	Ethanol	3.3	0.50	0.17	ppbv		6.2	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	0.15	0.20	0.029	ppbv	J	0.65	0.87	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

OA

Client Sample ID: JH-0A-01
Lab Sample ID: JB24232-5
Matrix: AIR - Ambient Air Comp. Summa ID: A627
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 12/17/12
Date Received: 12/18/12
Percent Solids: n/a

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.028	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	ug/m3
110-54-3	86.17	Hexane	0.41	0.20	0.050	ppbv		1.4	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.69	0.20	0.065	ppbv		1.7	0.49	ug/m3
75-09-2	84.94	Methylene chloride	3.3	0.20	0.055	ppbv		11	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.23	0.20	0.042	ppbv		0.68	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.11	0.20	0.029	ppbv	J	0.54	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.044	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.10	0.20	0.031	ppbv	J	0.47	0.93	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.8	0.040	0.024	ppbv		12	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.074	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	24.6	0.20	0.032	ppbv		92.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.041	0.040	0.036	ppbv		0.22	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.30	0.20	0.028	ppbv		1.7	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
	106.2	m,p-Xylene	0.55	0.20	0.058	ppbv		2.4	0.87	ug/m3
95-47-6	106.2	o-Xylene	0.18	0.20	0.037	ppbv	J	0.78	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.73	0.20	0.037	ppbv		3.2	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ENVIRONMENTAL Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Client: ERM, Melville, NY

Site: J&H Manufacturing Site – Carle Place, New York

SDG #s: JB19935 and JB23169

Laboratory: Accutest Laboratories – Dayton, New Jersey Date: February 15, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
01	BG-01 (0"-2")	JB19935-1	Soil
02	DUP102312A (BG-01 (0"-2"))	JB19935-2	Soil
03	BG-01 (0'-1')	JB19935-3	Soil
03MS	BG-01 (0'-1') MS	JB19935-3S	Soil
03MSD	BG-01 (0'-1') MSD	JB19935-3D	Soil
04	FB102312A	JB19935-4	Field Blank Soil
05	MW-04	JB19935-5	Aqueous
05 MS	MW-04 MS	JB19935-5S	Aqueous
05 MSD	MW-04 MSD	JB19935-5D	Aqueous
06	MW-04 (filtered)	JB19935-5F	Aqueous
07	DUP102312 (MW-04)	JB19935-6	Aqueous
08	FB102312	JB19935-7	Field Blank Water
09	SR-01 (9-9.5)	JB23169-1	Soil
09 MS	SR-01 (9-9.5) MS	JB23169-1S	Soil
09 MSD	SR-01 (9-9.5) MSD	JB23169-1D	Soil
10	SR-01 (10-10.5)	JB23169-2	Soil
11	SR-01 (11-11.5)	JB23169-3	Soil
12	SR-01 (13-13.5)	JB23169-4	Soil
13	FB120612	JB23169-5	Field Blank Soil
14	DUP120612 (SR-01 (9-9.5))	JB23169-6	Soil
15	MW-04	JB23169-7	Aqueous
15 MS	MW-04 MS	JB23169-7S	Aqueous
15 MSD	MW-04 MSD	JB23169-7D	Aqueous
16	DUP120612A (MW-04)	JB23169-8	Aqueous
17	FB120612A	JB23169-9	Field Blank Water

All samples in Accutest Job Number JB19935 were collected on 10/23/2012 and submitted to the laboratory under proper chain-of-custody (COC) procedures. The laboratory was without power from 10/29/2012 to 11/05/2012 due a storm. Refrigerator storage temperatures are recorded electronically by the laboratory. No temperature was recorded on 10/29/2012 or 10/31/2012 however temperatures were manually recorded on all other says and reached a maximum of 8.5°C for the refrigerator (R-31) that all samples in this Job Number were stored. Conservatively all results for all samples are considered possibly biased low and have been qualified J/UJ. The data are still valid and usable for project objectives. It should be noted that all aqueous samples were recollected (Accutest Job Number JB23169). The soil samples were not recollected.

The laboratory reports non-detects with an ND on the Report of Analysis Summaries (Form Is). In the review, qualification of non-detect data will be listed as UJ. The Form Is will only be qualified with a "J" next to the ND.

The sample ID for EDS ID 15, 15MS and 15MSD has been edited from how it appeared on the COC. A zero has been added after the dash (MW-04). The Form I has been manually corrected.

SEMIVOLATILE ORGANIC COMPOUNDS
USEPA SW-846 8270D

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review (June 2008), the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-22, Revision 3, October 2006: Validating Semivolatile Organic Compounds by SW-846 Method 8270, and the reviewer's professional judgment were used in evaluating the data in this summary report.

Note(s) – Sample MW-04 collected on 10/23/2012 was collected in duplicate. One set (EDS ID 06) was filtered in the field.

Only Polyaromatic Hydrocarbons (PAHs) were analyzed for.

All aqueous samples were analyzed in Selective Ion Monitoring (SIM) mode.

Holding Times (HT) – All holding times were met for all samples except for EDS ID 13, 15, 16, and 17 which were extracted one day outside HT due to a scheduling error. All results are considered possibly biased low and have been qualified J/UJ. The results are still valid and usable for project objectives. All analysis holding times were met.

Surrogates - All surrogate percent recovery (%R) were within QC criteria.

MS/MSD - An MS/MSD was collected on EDS ID 05, EDS ID 09, and EDS ID 15. The laboratory also provided batch QC from samples not from this project to fulfill method requirements. No qualification is performed from the batch QC. All %R and relative percent differences (RPDs) met QC criteria except for benzo(a)anthracene in EDS ID 05 which recovered high in the MSD. Qualification is not based on MS/MSD results alone. No qualification of the sample data is required as benzo(a)anthracene was not positively identified in EDS ID 05.

Blank Spike Samples (BSS) – All %R met QC criteria.

Method Blank (MB) - The method blank applicable to all samples in Accutest Job Number JB19923 contained several target compounds (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) at concentrations slightly above the reporting limit (RL). No qualification of the sample data is required as none of the positively

identified compounds were detected in any associated sample. Several system artifacts were reported in the MB applicable to all soil samples in JB23169. These were not detected in any associated sample therefore no qualification of the sample data is required. All other method blanks exhibited no target compounds.

Field Blank (FB) - The field blanks exhibited no target compounds.

GC/MS Tuning - All of the DFTPP tunes met QC criteria.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and mean relative response factor (RRF) values.

Continuing Calibration (CCV) – The CCVs exhibited acceptable %D and RRF values.

Internal Standard (IS) Area Performance - All IS area responses and retention time (RT) criteria were met.

Blind Field Duplicate – Three blind field duplicate samples were collected with this data set. EDS ID 07 (DUP102312) was collected on sample EDS ID 05 (MW-04), EDS ID 14 (DUP120612) was collected on EDS ID 09 (SR-01 (9-9.5)), and EDS ID 16 (DUP120612A) was collected on EDS ID 15 (MW-04). Pyrene was positively identified in EDS ID 05 but not in EDS ID 07. Phenanthrene was positively identified in EDS ID 16 but not in EDS ID 15. No qualification of the sample data is required as the concentrations of Pyrene and Phenanthrene detected were less than 2x the RL. All other compounds compared well.

Compound Quantitation – No issues were observed.

POLYCHLORINATED BIPHENYL COMPOUNDS
USEPA SW-846 8082

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review (June 2008), the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-45, Revision 1, October 2006: Validating PCB Compounds by SW-846 Method 8082A, and the reviewer's professional judgment were used in evaluating the data in this summary report.

Note – The analysis of all soil samples was performed at Accutest's laboratory in Marlborough, Massachusetts. No qualification is required as proper chain-of-custody procedures were followed.

Holding Times (HT) – All holding times were met for all samples.

Surrogates - All surrogate %R were within QC criteria.

Blank Spike Samples (BSS) – All %R met QC criteria.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) - An MS/MSD was collected on EDS ID 03. All %R and RPD were within QC criteria.

Method Blank (MB) - The method blank applicable to the sample exhibited no target compounds.

Field Blank (FB) - The field blank exhibited no target compounds.

Calibration - The initial and continuing calibrations met QC criteria except for the percent deviation (%D) for Tetrachloro-m-xylene (TCX) in the opening calibration check. No qualification of the sample data is required as the %R for TCX was within QC criteria for all samples.

Blind Field Duplicate – One blind field duplicate sample was collected with this data set. EDS ID 02 (DUP102312A) was collected on sample EDS ID 01 (BG-01 (0"-2")). No target compounds were positively identified in either sample.

Compound Quantitation – No issues other than the previously noted storage temperatures were observed.

Report of Analysis

Client Sample ID:	BG-01 (0"-2")		
Lab Sample ID:	JB19935-1	Date Sampled:	10/23/12
Matrix:	SO - Soil	Date Received:	10/23/12
Method:	SW846 8082 SW846 3546	Percent Solids:	88.1
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK18596.D	1	11/08/12	AMA	11/06/12	M:OP30931	M:GBK681
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	110	16	ug/kg	J
11104-28-2	Aroclor 1221	ND	110	21	ug/kg	
11141-16-5	Aroclor 1232	ND	110	17	ug/kg	
53469-21-9	Aroclor 1242	ND	110	18	ug/kg	
12672-29-6	Aroclor 1248	ND	110	16	ug/kg	
11097-69-1	Aroclor 1254	ND	110	26	ug/kg	
11096-82-5	Aroclor 1260	ND	110	18	ug/kg	
37324-23-5	Aroclor 1262	ND	110	31	ug/kg	
11100-14-4	Aroclor 1268	ND	110	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		30-150%
877-09-8	Tetrachloro-m-xylene	70%		30-150%
2051-24-3	Decachlorobiphenyl	106%		30-150%
2051-24-3	Decachlorobiphenyl	72%		30-150%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP102312A		
Lab Sample ID:	JB19935-2	Date Sampled:	10/23/12
Matrix:	SO - Soil	Date Received:	10/23/12
Method:	SW846 8082 SW846 3546	Percent Solids:	84.1
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK18594.D	1	11/08/12	AMA	11/06/12	M:OP30931	M:GBK681
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	120	18	ug/kg	J
11104-28-2	Aroclor 1221	ND	120	23	ug/kg	
11141-16-5	Aroclor 1232	ND	120	18	ug/kg	
53469-21-9	Aroclor 1242	ND	120	20	ug/kg	
12672-29-6	Aroclor 1248	ND	120	17	ug/kg	
11097-69-1	Aroclor 1254	ND	120	29	ug/kg	
11096-82-5	Aroclor 1260	ND	120	20	ug/kg	
37324-23-5	Aroclor 1262	ND	120	34	ug/kg	
11100-14-4	Aroclor 1268	ND	120	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		30-150%
877-09-8	Tetrachloro-m-xylene	65%		30-150%
2051-24-3	Decachlorobiphenyl	101%		30-150%
2051-24-3	Decachlorobiphenyl	67%		30-150%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BG-01 (0'-1')		
Lab Sample ID:	JB19935-3	Date Sampled:	10/23/12
Matrix:	SO - Soil	Date Received:	10/23/12
Method:	SW846 8082 SW846 3546	Percent Solids:	84.5
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BK18593.D	1	11/08/12	AMA	11/06/12	M:OP30931	M:GBK681
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	120	18	ug/kg	J
11104-28-2	Aroclor 1221	ND	120	23	ug/kg	
11141-16-5	Aroclor 1232	ND	120	18	ug/kg	
53469-21-9	Aroclor 1242	ND	120	19	ug/kg	
12672-29-6	Aroclor 1248	ND	120	17	ug/kg	
11097-69-1	Aroclor 1254	ND	120	28	ug/kg	
11096-82-5	Aroclor 1260	ND	120	20	ug/kg	
37324-23-5	Aroclor 1262	ND	120	34	ug/kg	
11100-14-4	Aroclor 1268	ND	120	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		30-150%
877-09-8	Tetrachloro-m-xylene	72%		30-150%
2051-24-3	Decachlorobiphenyl	110%		30-150%
2051-24-3	Decachlorobiphenyl	72%		30-150%

(a) Analysis performed at Accutest Laboratories, Marlborough, MA.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB102312A		
Lab Sample ID:	JB19935-4	Date Sampled:	10/23/12
Matrix:	AQ - Field Blank Soil	Date Received:	10/23/12
Method:	SW846 8082A SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF114603.D	1	11/08/12	LP	10/25/12	OP60850	GEF4612
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.53	0.13	ug/l	J
11104-28-2	Aroclor 1221	ND	0.53	0.29	ug/l	
11141-16-5	Aroclor 1232	ND	0.53	0.41	ug/l	
53469-21-9	Aroclor 1242	ND	0.53	0.091	ug/l	
12672-29-6	Aroclor 1248	ND	0.53	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.53	0.15	ug/l	
11096-82-5	Aroclor 1260	ND	0.53	0.22	ug/l	
11100-14-4	Aroclor 1268	ND	0.53	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.53	0.063	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		27-144%
877-09-8	Tetrachloro-m-xylene	100%		27-144%
2051-24-3	Decachlorobiphenyl	116%		10-139%
2051-24-3	Decachlorobiphenyl	112%		10-139%

(a) Storage temperature exceeded 6 degrees C due to power outage from the tropical cyclone of Oct. 29th and 30th, 2012.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5.4

Client Sample ID:	MW-04		
Lab Sample ID:	JB19935-5	Date Sampled:	10/23/12
Matrix:	AQ - Ground Water	Date Received:	10/23/12
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3M32030.D	1	11/08/12	ALS	10/28/12	OP60910	E3M1478
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.10	0.020	ug/l	J
208-96-8	Acenaphthylene	ND	0.10	0.024	ug/l	
120-12-7	Anthracene	ND	0.10	0.020	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.10	0.012	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.012	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.010	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.016	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.015	ug/l	
218-01-9	Chrysene	ND	0.10	0.012	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.017	ug/l	
206-44-0	Fluoranthene	0.123	0.10	0.013	ug/l	
86-73-7	Fluorene	ND	0.10	0.017	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.014	ug/l	
91-20-3	Naphthalene	ND	0.10	0.036	ug/l	
85-01-8	Phenanthrene	ND	0.10	0.021	ug/l	
129-00-0	Pyrene	0.137	0.10	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	94%		23-131%
321-60-8	2-Fluorobiphenyl	83%		24-120%
1718-51-0	Terphenyl-d14	59%		10-125%

(a) Storage temperature exceeded 6 degrees C due to power outage from the tropical cyclone of Oct. 29th and 30th, 2012.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP102312		
Lab Sample ID:	JB19935-6	Date Sampled:	10/23/12
Matrix:	AQ - Ground Water	Date Received:	10/23/12
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3M32031.D	1	11/08/12	ALS	10/28/12	OP60910	E3M1478
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.10	0.020	ug/l	
208-96-8	Acenaphthylene	ND	0.10	0.024	ug/l	
120-12-7	Anthracene	ND	0.10	0.020	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.10	0.012	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.012	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.010	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.016	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.015	ug/l	
218-01-9	Chrysene	ND	0.10	0.012	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.017	ug/l	
206-44-0	Fluoranthene	0.114	0.10	0.013	ug/l	
86-73-7	Fluorene	ND	0.10	0.017	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.014	ug/l	
91-20-3	Naphthalene	ND	0.10	0.036	ug/l	
85-01-8	Phenanthrene	ND	0.10	0.021	ug/l	
129-00-0	Pyrene	ND	0.10	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		23-131%
321-60-8	2-Fluorobiphenyl	77%		24-120%
1718-51-0	Terphenyl-d14	61%		10-125%

(a) Storage temperature exceeded 6 degrees C due to power outage from the tropical cyclone of Oct. 29th and 30th, 2012.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-04		
Lab Sample ID:	JB19935-5F	Date Sampled:	10/23/12
Matrix:	AQ - Groundwater Filtered	Date Received:	10/23/12
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3M32033.D	1	11/08/12	ALS	10/28/12	OP60910	E3M1478
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.10	0.020	ug/l	J
208-96-8	Acenaphthylene	ND	0.10	0.024	ug/l	
120-12-7	Anthracene	ND	0.10	0.020	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.10	0.012	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.012	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.010	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.016	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.015	ug/l	
218-01-9	Chrysene	ND	0.10	0.012	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.017	ug/l	
206-44-0	Fluoranthene	0.126	0.10	0.013	ug/l	
86-73-7	Fluorene	ND	0.10	0.017	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.014	ug/l	
91-20-3	Naphthalene	ND	0.10	0.036	ug/l	
85-01-8	Phenanthrene	ND	0.10	0.021	ug/l	
129-00-0	Pyrene	0.103	0.10	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		23-131%
321-60-8	2-Fluorobiphenyl	80%		24-120%
1718-51-0	Terphenyl-d14	55%		10-125%

(a) Storage temperature exceeded 6 degrees C due to power outage from the tropical cyclone of Oct. 29th and 30th, 2012.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB102312		
Lab Sample ID:	JB19935-7	Date Sampled:	10/23/12
Matrix:	AQ - Field Blank Water	Date Received:	10/23/12
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3M32032.D	1	11/08/12	ALS	10/28/12	OP60910	E3M1478
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.021	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.025	ug/l	
120-12-7	Anthracene	ND	0.11	0.021	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.11	0.012	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.013	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.11	0.011	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.016	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.016	ug/l	
218-01-9	Chrysene	ND	0.11	0.012	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.017	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.014	ug/l	
86-73-7	Fluorene	ND	0.11	0.018	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.015	ug/l	
91-20-3	Naphthalene	ND	0.11	0.037	ug/l	
85-01-8	Phenanthrene	ND	0.11	0.022	ug/l	
129-00-0	Pyrene	ND	0.11	0.016	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		23-131%
321-60-8	2-Fluorobiphenyl	83%		24-120%
1718-51-0	Terphenyl-d14	97%		10-125%

(a) Storage temperature exceeded 6 degrees C due to power outage from the tropical cyclone of Oct. 29th and 30th, 2012.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-01 (9-9.5)		
Lab Sample ID:	JB23169-1	Date Sampled:	12/06/12
Matrix:	SO - Soil	Date Received:	12/06/12
Method:	SW846 8270D SW846 3550C	Percent Solids:	95.0
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E46422.D	1	12/19/12	OYA	12/18/12	OP62124	E3E2018
Run #2							

	Initial Weight	Final Volume
Run #1	32.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	33	9.5	ug/kg	
208-96-8	Acenaphthylene	ND	33	10	ug/kg	
120-12-7	Anthracene	46.2	33	11	ug/kg	
56-55-3	Benzo(a)anthracene	296	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	366	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	488	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	330	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	260	33	12	ug/kg	
218-01-9	Chrysene	455	33	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	95.3	33	11	ug/kg	
206-44-0	Fluoranthene	859	33	14	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	288	33	11	ug/kg	
91-20-3	Naphthalene	ND	33	9.0	ug/kg	
85-01-8	Phenanthrene	346	33	15	ug/kg	
129-00-0	Pyrene	667	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		21-116%
4165-62-2	Phenol-d5	76%		19-117%
118-79-6	2,4,6-Tribromophenol	96%		24-136%
4165-60-0	Nitrobenzene-d5	67%		21-122%
321-60-8	2-Fluorobiphenyl	76%		30-117%
1718-51-0	Terphenyl-d14	94%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP120612		
Lab Sample ID:	JB23169-6	Date Sampled:	12/06/12
Matrix:	SO - Soil	Date Received:	12/06/12
Method:	SW846 8270D SW846 3550C	Percent Solids:	81.6
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E46426.D	1	12/19/12	OYA	12/18/12	OP62124	E3E2018
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	41	12	ug/kg	
208-96-8	Acenaphthylene	ND	41	13	ug/kg	
120-12-7	Anthracene	34.7	41	14	ug/kg	J
56-55-3	Benzo(a)anthracene	221	41	13	ug/kg	
50-32-8	Benzo(a)pyrene	278	41	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	360	41	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	277	41	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	232	41	15	ug/kg	
218-01-9	Chrysene	358	41	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	73.4	41	14	ug/kg	
206-44-0	Fluoranthene	665	41	18	ug/kg	
86-73-7	Fluorene	ND	41	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	238	41	14	ug/kg	
91-20-3	Naphthalene	ND	41	11	ug/kg	
85-01-8	Phenanthrene	240	41	19	ug/kg	
129-00-0	Pyrene	494	41	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		21-122%
321-60-8	2-Fluorobiphenyl	59%		30-117%
1718-51-0	Terphenyl-d14	85%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-01 (10-10.5)		
Lab Sample ID:	JB23169-2	Date Sampled:	12/06/12
Matrix:	SO - Soil	Date Received:	12/06/12
Method:	SW846 8270D SW846 3550C	Percent Solids:	96.1
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E46423.D	1	12/19/12	OYA	12/18/12	OP62124	E3E2018
Run #2							

	Initial Weight	Final Volume
Run #1	33.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	31	9.1	ug/kg	
208-96-8	Acenaphthylene	ND	31	10	ug/kg	
120-12-7	Anthracene	ND	31	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	31	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	31	9.6	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	31	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	31	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	31	12	ug/kg	
218-01-9	Chrysene	ND	31	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	31	11	ug/kg	
206-44-0	Fluoranthene	ND	31	14	ug/kg	
86-73-7	Fluorene	ND	31	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	31	11	ug/kg	
91-20-3	Naphthalene	ND	31	8.6	ug/kg	
85-01-8	Phenanthrene	ND	31	14	ug/kg	
129-00-0	Pyrene	ND	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		21-122%
321-60-8	2-Fluorobiphenyl	63%		30-117%
1718-51-0	Terphenyl-d14	94%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-01 (11-11.5)		
Lab Sample ID:	JB23169-3	Date Sampled:	12/06/12
Matrix:	SO - Soil	Date Received:	12/06/12
Method:	SW846 8270D SW846 3550C	Percent Solids:	96.7
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E46424.D	1	12/19/12	OYA	12/18/12	OP62124	E3E2018
Run #2							

	Initial Weight	Final Volume
Run #1	32.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	32	9.2	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
91-20-3	Naphthalene	ND	32	8.7	ug/kg	
85-01-8	Phenanthrene	ND	32	14	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		21-122%
321-60-8	2-Fluorobiphenyl	77%		30-117%
1718-51-0	Terphenyl-d14	93%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-01 (13-13.5)		
Lab Sample ID:	JB23169-4	Date Sampled:	12/06/12
Matrix:	SO - Soil	Date Received:	12/06/12
Method:	SW846 8270D SW846 3550C	Percent Solids:	80.7
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E46425.D	1	12/19/12	OYA	12/18/12	OP62124	E3E2018
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	41	12	ug/kg	
208-96-8	Acenaphthylene	ND	41	13	ug/kg	
120-12-7	Anthracene	ND	41	14	ug/kg	
56-55-3	Benzo(a)anthracene	38.7	41	13	ug/kg	J
50-32-8	Benzo(a)pyrene	41.0	41	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	57.6	41	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	36.4	41	15	ug/kg	J
207-08-9	Benzo(k)fluoranthene	20.0	41	16	ug/kg	J
218-01-9	Chrysene	50.2	41	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	41	14	ug/kg	
206-44-0	Fluoranthene	80.3	41	18	ug/kg	
86-73-7	Fluorene	ND	41	14	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	30.5	41	14	ug/kg	J
91-20-3	Naphthalene	ND	41	11	ug/kg	
85-01-8	Phenanthrene	27.4	41	19	ug/kg	J
129-00-0	Pyrene	64.3	41	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		21-122%
321-60-8	2-Fluorobiphenyl	68%		30-117%
1718-51-0	Terphenyl-d14	92%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120612		
Lab Sample ID:	JB23169-5	Date Sampled:	12/06/12
Matrix:	AQ - Field Blank Soil	Date Received:	12/06/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P69481.D	1	12/21/12	NAP	12/14/12	OP62043	EP2973
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.1	0.28	ug/l	J
208-96-8	Acenaphthylene	ND	1.1	0.25	ug/l	
120-12-7	Anthracene	ND	1.1	0.31	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.49	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.55	ug/l	
218-01-9	Chrysene	ND	1.1	0.31	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.41	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.34	ug/l	
86-73-7	Fluorene	ND	1.1	0.30	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.40	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.31	ug/l	
129-00-0	Pyrene	ND	1.1	0.29	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		38-129%
321-60-8	2-Fluorobiphenyl	71%		42-117%
1718-51-0	Terphenyl-d14	76%		14-132%

(a) Sample extracted outside the holding time due to scheduling error.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4 ~~04~~		
Lab Sample ID:	JB23169-7	Date Sampled:	12/06/12
Matrix:	AQ - Ground Water	Date Received:	12/06/12
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4M38225.D	1	12/21/12	NAP	12/14/12	OP62043A	E4M1575
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.10	0.021	ug/l	J
208-96-8	Acenaphthylene	ND	0.10	0.025	ug/l	
120-12-7	Anthracene	ND	0.10	0.021	ug/l	
56-55-3	Benzo(a)anthracene	0.121	0.10	0.012	ug/l	
50-32-8	Benzo(a)pyrene	0.167	0.10	0.013	ug/l	
205-99-2	Benzo(b)fluoranthene	0.291	0.10	0.011	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.166	0.10	0.016	ug/l	
207-08-9	Benzo(k)fluoranthene	0.132	0.10	0.015	ug/l	
218-01-9	Chrysene	0.178	0.10	0.012	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.017	ug/l	
206-44-0	Fluoranthene	0.294	0.10	0.014	ug/l	
86-73-7	Fluorene	ND	0.10	0.018	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.147	0.10	0.015	ug/l	
91-20-3	Naphthalene	ND	0.10	0.037	ug/l	
85-01-8	Phenanthrene	ND	0.10	0.022	ug/l	
129-00-0	Pyrene	0.255	0.10	0.016	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		23-131%
321-60-8	2-Fluorobiphenyl	58%		24-120%
1718-51-0	Terphenyl-d14	94%		10-125%

(a) Sample extracted outside the holding time due to scheduling error.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP120612A		
Lab Sample ID:	JB23169-8	Date Sampled:	12/06/12
Matrix:	AQ - Ground Water	Date Received:	12/06/12
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4M38226.D	1	12/21/12	NAP	12/14/12	OP62043A	E4M1575
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.10	0.020	ug/l	J
208-96-8	Acenaphthylene	ND	0.10	0.024	ug/l	
120-12-7	Anthracene	ND	0.10	0.020	ug/l	
56-55-3	Benzo(a)anthracene	0.169	0.10	0.012	ug/l	
50-32-8	Benzo(a)pyrene	0.262	0.10	0.012	ug/l	
205-99-2	Benzo(b)fluoranthene	0.478	0.10	0.010	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.251	0.10	0.016	ug/l	
207-08-9	Benzo(k)fluoranthene	0.189	0.10	0.015	ug/l	
218-01-9	Chrysene	0.287	0.10	0.012	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.017	ug/l	
206-44-0	Fluoranthene	0.469	0.10	0.013	ug/l	
86-73-7	Fluorene	ND	0.10	0.017	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.233	0.10	0.014	ug/l	
91-20-3	Naphthalene	ND	0.10	0.036	ug/l	
85-01-8	Phenanthrene	0.146	0.10	0.021	ug/l	
129-00-0	Pyrene	0.396	0.10	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		23-131%
321-60-8	2-Fluorobiphenyl	70%		24-120%
1718-51-0	Terphenyl-d14	85%		10-125%

(a) Sample extracted outside the holding time due to scheduling error.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB120612A		
Lab Sample ID:	JB23169-9	Date Sampled:	12/06/12
Matrix:	AQ - Field Blank Water	Date Received:	12/06/12
Method:	SW846 8270D BY SIM SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4M38227.D	1	12/21/12	NAP	12/14/12	OP62043A	E4M1575
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.022	ug/l	J
208-96-8	Acenaphthylene	ND	0.11	0.025	ug/l	
120-12-7	Anthracene	ND	0.11	0.022	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.11	0.012	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.013	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.11	0.011	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.017	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.016	ug/l	
218-01-9	Chrysene	ND	0.11	0.013	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.018	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.014	ug/l	
86-73-7	Fluorene	ND	0.11	0.018	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.015	ug/l	
91-20-3	Naphthalene	ND	0.11	0.038	ug/l	
85-01-8	Phenanthrene	ND	0.11	0.022	ug/l	
129-00-0	Pyrene	ND	0.11	0.016	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		23-131%
321-60-8	2-Fluorobiphenyl	68%		24-120%
1718-51-0	Terphenyl-d14	98%		10-125%

(a) Sample extracted outside the holding time due to scheduling error.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ENVIRONMENTAL Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
Compendium Method TO-15 - Level IV Review

Client: ERM, Melville, NY

Site: J&H Manufacturing Site – Carle Place, New York

SDG #s: JB31249

Laboratory: Accutest Laboratories – Dayton, New Jersey Date: April 12, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
01	JH-IA-01	JB31249-1	Air
02	JH-SS-02	JB31249-2	Air
03	JH-IA-02	JB31249-3	Air
04	JH-SS-03	JB31249-4	Air
05	JH-IA-03	JB31249-5	Air
06	JH-SS-04	JB31249-6	Air
07	JH-IA-04	JB31249-7	Air
08	JH-SS-05	JB31249-8	Air
09	JH-IA-05	JB31249-9	Air
10	JH-SS-01	JB31249-10	Air
11	JH-OA-01	JB31249-11	Air

The samples were analyzed following "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B", Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry *(GC/MS)*". The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical methods, the NYSDEC ASP, the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 4, October 2006: Validating Volatile Organic Analysis of Ambient Air in canister by Method TO-15 and the reviewer's professional judgment.

Chain-of-Custody (COC) – No discrepancies were identified.

Data completeness, Deliverables and Analysis Data Sheets (Form I) – The sample identification for sample EDS ID 11 has been manually corrected from JH-0A-01 to JH-OA-01. The laboratory was notified and made the edits in their LIMS system. No report was reproduced. No other discrepancies were identified.

Canister Receipt/Log-in sheet (Leak Checks) – A review of the final canister pressures by the laboratory upon sample receipt indicated no discrepancies.

Canister Certification Blanks/Spikes/Pressure Differences - No discrepancies were identified.

Holding Times - No discrepancies were identified.

Surrogates - All Surrogate percent recoveries (%R) were within QC limits.

Blank Spike/ Blank Spike Duplicate Sample (BS/BSD) - The BS/BSD exhibited %R and relative percent difference (RPD) within QC criteria.

Laboratory Duplicate – The laboratory provided laboratory duplicate analysis from samples not from this data set (batch QC). No qualification of the sample data is required for batch QC. No discrepancies were observed.

Method Blank - The method blank contained no contamination.

GC/MS Tuning - No discrepancies were identified.

Initial Calibration - The initial calibration exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibration exhibited acceptable %D and RRF values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Detection Limits/Compound Identification – The standard initial sample volume utilized by the laboratory for samples was 400 ml. The reporting limit (RL) for all compounds is 0.20 ppbv. RLs reported in $\mu g/m^3$ are dependant on the molecular weight of each compound and vary significantly.

Sample JH-SS-03 was reanalyzed using 200 ml of sample as the concentration of tetrachloroethene (PCE) was above the calibration range in the initial analysis. The laboratory has reported the PCE result from the diluted analysis. All other results are reported from the initial analysis. The dilution was justified. No qualification of the sample data is required.

Sample JH-SS-04 was reanalyzed using 150 ml of sample as the concentration of toluene was above the calibration range in the initial analysis. The laboratory has reported the toluene result from the diluted analysis. All other results are reported from the initial analysis. The dilution was justified. No qualification of the sample data is required.

Sample JH-SS-05 was reanalyzed using 50 ml of sample as the concentration of PCE and cis-1,2-dichloroethene were above the calibration range in the initial analysis. The sample was reanalyzed a second time as the concentration of PCE was still above the calibration range in the diluted analysis. The laboratory has reported the PCE and cis-1,2-dichloroethene results from the respective diluted analysis. All other results are reported from the initial analysis. The dilutions were justified. No qualification of the sample data is required.

Ethanol was reported in sample JH-IA-02 with an E qualifier. This indicates that the concentration of Ethanol in sample JH-IA-02 was above the calibration range of the instrument. The sample was not reanalyzed by the laboratory for Ethanol as this compound is suspected to be a contaminant possibly present since it is routinely added to the gas cylinders supplied by the commercial standard suppliers. Ethanol is not of concern at the site. The value is considered estimated and has been qualified J. The value is still useable as an estimated positive detect.

Field Duplicate Sample Precision – No Field Duplicate Sample was collected.

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Report of Analysis

Client Sample ID:	JH-IA-01		
Lab Sample ID:	JB31249-1	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A371	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32787.D	1	03/16/13	YMH	n/a	n/a	V3W1270
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	8.2	0.20	0.069	ppbv		19	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.029	ppbv	J	0.61	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.055	ppbv		1.2	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	0.15	0.20	0.12	ppbv	J	0.54	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.45	0.20	0.024	ppbv		2.2	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	28.5	0.50	0.17	ppbv		53.7	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.36	0.20	0.029	ppbv		1.6	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-01		
Lab Sample ID:	JB31249-1	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A371	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

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VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.16	0.20	0.028	ppbv	J	0.79	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.14	0.20	0.028	ppbv	J	0.57	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.050	ppbv		ND	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	7.0	0.20	0.065	ppbv		17	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.26	0.20	0.055	ppbv		0.90	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.1	0.20	0.042	ppbv		3.2	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.16	0.20	0.084	ppbv	J	0.66	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.6	0.20	0.029	ppbv		7.9	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.31	0.20	0.044	ppbv		1.5	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.45	0.040	0.024	ppbv		3.1	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.38	0.20	0.074	ppbv		1.1	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	1.7	0.20	0.032	ppbv		6.4	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	0.20	0.028	ppbv		1.2	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	1.4	0.20	0.058	ppbv		6.1	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.57	0.20	0.037	ppbv		2.5	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	1.9	0.20	0.037	ppbv		8.3	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-SS-02		
Lab Sample ID:	JB31249-2	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A758	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32788.D	1	03/16/13	YMH	n/a	n/a	V3W1270
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	6.1	0.20	0.069	ppbv		14	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.029	ppbv	J	0.58	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	0.18	0.20	0.024	ppbv	J	0.56	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	0.52	0.20	0.026	ppbv		2.5	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.055	ppbv		ND	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.5	0.20	0.024	ppbv		7.4	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	5.6	0.50	0.17	ppbv		11	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.74	0.20	0.029	ppbv		3.2	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-02		
Lab Sample ID:	JB31249-2	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A758	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.44	0.20	0.028	ppbv		2.2	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.27	0.20	0.028	ppbv		1.1	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.050	ppbv		ND	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	0.82	0.20	0.051	ppbv		3.4	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.9	0.20	0.065	ppbv		4.7	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.23	0.20	0.055	ppbv		0.80	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	3.6	0.20	0.042	ppbv		11	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.29	0.20	0.084	ppbv		1.2	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.16	0.20	0.025	ppbv	J	0.68	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.76	0.20	0.024	ppbv		4.1	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	3.5	0.20	0.029	ppbv		17	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.89	0.20	0.044	ppbv		4.4	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	24.6	0.040	0.024	ppbv		167	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.13	0.20	0.074	ppbv	J	0.38	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	3.1	0.20	0.032	ppbv		12	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	2.5	0.040	0.036	ppbv		13	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.31	0.20	0.028	ppbv		1.7	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	3.4	0.20	0.058	ppbv		15	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	1.3	0.20	0.037	ppbv		5.6	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	4.7	0.20	0.037	ppbv		20	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 3W32789.D

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

4.3
4

Client Sample ID:	JH-IA-02		
Lab Sample ID:	JB31249-3	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A759	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32789.D	1	03/16/13	YMH	n/a	n/a	V3W1270
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	30.3	0.20	0.069	ppbv		72.0	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.41	0.20	0.029	ppbv		1.3	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.51	0.20	0.055	ppbv		1.1	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.024	ppbv		2.2	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	54.9	0.50	0.17	ppbv	JE	103	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	1.1	0.20	0.029	ppbv		4.8	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-02		
Lab Sample ID:	JB31249-3	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A759	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.41	0.20	0.028	ppbv		2.0	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.57	0.20	0.028	ppbv		2.3	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.27	0.20	0.050	ppbv		0.95	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	0.11	0.20	0.033	ppbv	J	0.54	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.3	0.20	0.065	ppbv		15	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	0.055	ppbv		0.73	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.1	0.20	0.042	ppbv		3.2	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.21	0.20	0.084	ppbv		0.86	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.18	0.20	0.025	ppbv	J	0.77	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	2.7	0.20	0.029	ppbv		13	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.71	0.20	0.044	ppbv		3.5	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.13	0.20	0.031	ppbv	J	0.61	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	2.0	0.040	0.024	ppbv		14	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.43	0.20	0.074	ppbv		1.3	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	6.2	0.20	0.032	ppbv		23	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.21	0.20	0.028	ppbv		1.2	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	4.3	0.20	0.058	ppbv		19	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	1.6	0.20	0.037	ppbv		6.9	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	6.0	0.20	0.037	ppbv		26	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-SS-03		
Lab Sample ID:	JB31249-4	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1028	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32790.D	1	03/16/13	YMH	n/a	n/a	V3W1270
Run #2	3W32799.D	1	03/18/13	YMH	n/a	n/a	V3W1271

	Initial Volume
Run #1	400 ml
Run #2	200 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	11.0	0.20	0.069	ppbv		26.1	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	0.029	ppbv		0.64	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	0.14	0.20	0.026	ppbv	J	0.68	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.055	ppbv		ND	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.68	0.20	0.024	ppbv		3.4	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	2.8	0.20	0.025	ppbv		11	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	16.7	0.50	0.17	ppbv		31.5	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.69	0.20	0.029	ppbv		3.0	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-03		
Lab Sample ID:	JB31249-4	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1028	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

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VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.26	0.20	0.028	ppbv		1.3	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.16	0.20	0.028	ppbv	J	0.66	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.10	0.20	0.050	ppbv	J	0.35	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.3	0.20	0.065	ppbv		8.1	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.055	ppbv		0.87	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	3.2	0.20	0.042	ppbv		9.4	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.12	0.20	0.025	ppbv	J	0.51	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	2.3	0.20	0.029	ppbv		11	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.53	0.20	0.044	ppbv		2.6	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	52.9	0.080	0.049	ppbv		359	0.54	0.33	ug/m3
109-99-9	72.11	Tetrahydrofuran	1.8	0.20	0.074	ppbv		5.3	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	10.1	0.20	0.032	ppbv		38.1	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	6.0	0.040	0.036	ppbv		32	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.52	0.20	0.028	ppbv		2.9	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	2.5	0.20	0.058	ppbv		11	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.96	0.20	0.037	ppbv		4.2	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	3.5	0.20	0.037	ppbv		15	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	96%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 3W32807.D

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-IA-03		
Lab Sample ID:	JB31249-5	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A263	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32807.D	1	03/19/13	YMH	n/a	n/a	V3W1271
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	20.6	0.20	0.069	ppbv		48.9	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.029	ppbv	J	0.61	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.65	0.20	0.055	ppbv		1.3	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.49	0.20	0.024	ppbv		2.4	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	28.5	0.50	0.17	ppbv		53.7	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.096	0.20	0.029	ppbv	J	0.42	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-03		
Lab Sample ID:	JB31249-5	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A263	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

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VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.028	ppbv	J	0.49	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.13	0.20	0.050	ppbv	J	0.46	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.0	0.20	0.065	ppbv		4.9	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.28	0.20	0.055	ppbv		0.97	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.81	0.20	0.042	ppbv		2.4	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.26	0.20	0.029	ppbv		1.3	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.11	0.20	0.044	ppbv	J	0.54	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.25	0.040	0.024	ppbv		1.7	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.20	0.20	0.074	ppbv		0.59	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	0.27	0.20	0.032	ppbv		1.0	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.20	0.028	ppbv		1.3	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	0.37	0.20	0.058	ppbv		1.6	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.16	0.20	0.037	ppbv	J	0.69	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	0.52	0.20	0.037	ppbv		2.3	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-SS-04		
Lab Sample ID:	JB31249-6	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A135	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32808.D	1	03/19/13	YMH	n/a	n/a	V3W1271
Run #2	3W32822.D	1	03/19/13	YMH	n/a	n/a	V3W1272

	Initial Volume
Run #1	400 ml
Run #2	150 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	11.3	0.20	0.069	ppbv		26.8	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.26	0.20	0.029	ppbv		0.83	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	0.17	0.20	0.026	ppbv	J	0.83	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.35	0.20	0.055	ppbv		0.72	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.20	0.024	ppbv		2.4	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.23	0.20	0.025	ppbv		0.91	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	21.2	0.50	0.17	ppbv		39.9	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	1.7	0.20	0.029	ppbv		7.4	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-04		
Lab Sample ID:	JB31249-6	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A135	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.32	0.20	0.028	ppbv		1.6	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.24	0.20	0.028	ppbv		0.98	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.30	0.20	0.050	ppbv		1.1	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.8	0.20	0.065	ppbv		12	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.53	0.20	0.055	ppbv		1.8	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.89	0.20	0.042	ppbv		2.6	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.16	0.20	0.025	ppbv	J	0.68	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	3.1	0.20	0.029	ppbv		15	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.63	0.20	0.044	ppbv		3.1	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	31.9	0.040	0.024	ppbv		216	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.27	0.20	0.074	ppbv		0.80	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	61.3	0.53	0.086	ppbv		231	2.0	0.32	ug/m3
79-01-6	131.4	Trichloroethylene	7.5	0.040	0.036	ppbv		40	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.31	0.20	0.028	ppbv		1.7	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	3.6	0.20	0.058	ppbv		16	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	1.4	0.20	0.037	ppbv		6.1	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	4.9	0.20	0.037	ppbv		21	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%	98%	65-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 3W32809.D

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-IA-04		
Lab Sample ID:	JB31249-7	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A200	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32809.D	1	03/19/13	YMH	n/a	n/a	V3W1271
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	9.7	0.20	0.069	ppbv		23	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.17	0.20	0.029	ppbv	J	0.54	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.54	0.20	0.055	ppbv		1.1	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.024	ppbv		2.2	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	19.6	0.50	0.17	ppbv		36.9	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.25	0.20	0.029	ppbv		1.1	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-04		
Lab Sample ID:	JB31249-7	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A200	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.097	0.20	0.028	ppbv	J	0.40	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.18	0.20	0.050	ppbv	J	0.63	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.1	0.20	0.065	ppbv		7.6	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	1.0	0.20	0.055	ppbv		3.5	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.29	0.20	0.042	ppbv		0.86	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.31	0.20	0.029	ppbv		1.5	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.099	0.20	0.044	ppbv	J	0.49	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.21	0.040	0.024	ppbv		1.4	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.074	ppbv		ND	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	0.35	0.20	0.032	ppbv		1.3	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.028	ppbv		1.3	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	0.94	0.20	0.058	ppbv		4.1	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.35	0.20	0.037	ppbv		1.5	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	1.3	0.20	0.037	ppbv		5.6	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-SS-05		
Lab Sample ID:	JB31249-8	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A653	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32810.D	1	03/19/13	YMH	n/a	n/a	V3W1271
Run #2	3W32823.D	1	03/19/13	YMH	n/a	n/a	V3W1272
Run #3	3W32811.D	1	03/19/13	YMH	n/a	n/a	V3W1271

	Initial Volume
Run #1	400 ml
Run #2	20.0 ml
Run #3	50.0 ml

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	3.9	0.20	0.069	ppbv		9.3	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.18	0.20	0.029	ppbv	J	0.58	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	0.19	0.20	0.024	ppbv	J	0.59	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	0.13	0.20	0.026	ppbv	J	0.63	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.055	ppbv		ND	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.13	0.20	0.019	ppbv	J	0.53	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.41	0.20	0.024	ppbv		2.0	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	5.0	0.20	0.027	ppbv		20	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	104	1.6	0.20	ppbv		412	6.3	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-05		
Lab Sample ID:	JB31249-8	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A653	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

4.8.4

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	9.3	0.50	0.17	ppbv		18	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.84	0.20	0.029	ppbv		3.6	0.87	0.13	ug/m3
622-96-8	120.2	4-Ethyltoluene	0.25	0.20	0.028	ppbv		1.2	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.14	0.20	0.028	ppbv	J	0.57	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.28	0.20	0.050	ppbv		0.99	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.3	0.20	0.065	ppbv		5.7	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.62	0.20	0.055	ppbv		2.2	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.78	0.20	0.042	ppbv		2.3	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.29	0.20	0.025	ppbv		1.2	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.91	0.20	0.024	ppbv		5.0	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	2.4	0.20	0.029	ppbv		12	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.50	0.20	0.044	ppbv		2.5	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	498	0.80	0.49	ppbv		3380	5.4	3.3	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.28	0.20	0.074	ppbv		0.83	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	19.0	0.20	0.032	ppbv		71.6	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	40.0	0.040	0.036	ppbv		215	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	0.20	0.028	ppbv		1.2	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	2.3	0.20	0.058	ppbv		10	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.88	0.20	0.037	ppbv		3.8	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	3.2	0.20	0.037	ppbv		14	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	103%	90%	92%	65-128%

(a) Result is from Run# 3
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 3W32812.D

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-IA-05		
Lab Sample ID:	JB31249-9	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A464	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32812.D	1	03/19/13	YMH	n/a	n/a	V3W1271
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	2.2	0.20	0.069	ppbv		5.2	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.11	0.20	0.029	ppbv	J	0.35	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.56	0.20	0.055	ppbv		1.2	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.47	0.20	0.024	ppbv		2.3	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	1.3	0.50	0.17	ppbv		2.4	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.029	ppbv		ND	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-IA-05		
Lab Sample ID:	JB31249-9	Date Sampled:	03/12/13
Matrix:	AIR - Indoor Air Comp. Summa ID: A464	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.028	ppbv		ND	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.050	ppbv		ND	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.065	ppbv		ND	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.19	0.20	0.055	ppbv	J	0.66	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.36	0.20	0.042	ppbv		1.1	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.80	0.20	0.025	ppbv		3.4	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.20	0.20	0.029	ppbv		0.98	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.044	ppbv		ND	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.31	0.040	0.024	ppbv		2.1	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.074	ppbv		ND	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	0.12	0.20	0.032	ppbv	J	0.45	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	0.040	0.040	0.036	ppbv		0.21	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.22	0.20	0.028	ppbv		1.2	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	0.11	0.20	0.058	ppbv	J	0.48	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.037	ppbv		ND	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	0.11	0.20	0.037	ppbv	J	0.48	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-SS-01		
Lab Sample ID:	JB31249-10	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1015	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32813.D	1	03/19/13	YMH	n/a	n/a	V3W1271
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	5.4	0.20	0.069	ppbv		13	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.13	0.20	0.029	ppbv	J	0.42	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.055	ppbv		ND	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.45	0.20	0.024	ppbv		2.2	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	14.6	0.50	0.17	ppbv		27.5	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.55	0.20	0.029	ppbv		2.4	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-SS-01		
Lab Sample ID:	JB31249-10	Date Sampled:	03/12/13
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1015	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	0.24	0.20	0.028	ppbv		1.2	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	0.13	0.20	0.028	ppbv	J	0.53	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	0.11	0.20	0.050	ppbv	J	0.39	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	4.8	0.20	0.065	ppbv		12	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.29	0.20	0.055	ppbv		1.0	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.0	0.20	0.042	ppbv		2.9	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.13	0.20	0.084	ppbv	J	0.53	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	0.12	0.20	0.025	ppbv	J	0.51	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.8	0.20	0.029	ppbv		8.8	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.44	0.20	0.044	ppbv		2.2	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.3	0.040	0.024	ppbv		8.8	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.39	0.20	0.074	ppbv		1.2	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	2.8	0.20	0.032	ppbv		11	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	0.041	0.040	0.036	ppbv		0.22	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.20	0.028	ppbv		1.3	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	2.2	0.20	0.058	ppbv		9.6	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	0.84	0.20	0.037	ppbv		3.6	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	3.0	0.20	0.037	ppbv		13	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@725829 01:52 18-Apr-2013

Report of Analysis

Client Sample ID:	JH-0A-01		
Lab Sample ID:	JB31249-11	Date Sampled:	03/12/13
Matrix:	AIR - Ambient Air Comp. Summa ID: A280	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W32814.D	1	03/19/13	YMH	n/a	n/a	V3W1271
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	6.7	0.20	0.069	ppbv		16	0.48	0.16	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.026	ppbv		ND	0.44	0.058	ug/m3
71-43-2	78.11	Benzene	0.11	0.20	0.029	ppbv	J	0.35	0.64	0.093	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.031	ppbv		ND	1.3	0.21	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.029	ppbv		ND	2.1	0.30	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.027	ppbv		ND	0.87	0.12	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.048	ppbv		ND	1.0	0.25	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.040	ppbv		ND	0.92	0.18	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.035	ppbv		ND	0.53	0.092	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	0.13	ug/m3
74-87-3	50.49	Chloromethane	0.57	0.20	0.055	ppbv		1.2	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	0.11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.020	ppbv		ND	1.3	0.13	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.050	ppbv		ND	0.69	0.17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.019	ppbv		ND	0.81	0.077	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.023	ppbv		ND	0.79	0.091	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.029	ppbv		ND	1.5	0.22	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.027	ppbv		ND	0.81	0.11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.034	ppbv		ND	0.92	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.024	ppbv		2.3	0.99	0.12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.035	ppbv		ND	1.7	0.30	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.027	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.025	ppbv		ND	0.79	0.099	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.033	ppbv		ND	0.91	0.15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.028	ppbv		ND	1.2	0.17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.039	ppbv		ND	1.2	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.060	ppbv		ND	1.2	0.36	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.024	ppbv		ND	0.91	0.11	ug/m3
64-17-5	46.07	Ethanol	1.7	0.50	0.17	ppbv		3.2	0.94	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.029	ppbv		ND	0.87	0.13	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	JH-0A-01		
Lab Sample ID:	JB31249-11	Date Sampled:	03/12/13
Matrix:	AIR - Ambient Air Comp. Summa ID: A280	Date Received:	03/13/13
Method:	TO-15	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

4.11 4

VOA special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.028	ppbv		ND	0.98	0.14	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.028	ppbv		ND	1.5	0.21	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.023	ppbv		ND	1.4	0.16	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.028	ppbv		ND	0.82	0.11	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.030	ppbv		ND	2.1	0.32	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.050	ppbv		ND	0.70	0.18	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.051	ppbv		ND	0.82	0.21	ug/m3
98-82-8	120	Isopropylbenzene	ND	0.20	0.033	ppbv		ND	0.98	0.16	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.32	0.20	0.065	ppbv		0.79	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.23	0.20	0.055	ppbv		0.80	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	5.6	0.20	0.042	ppbv		17	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.084	ppbv		ND	0.82	0.34	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
103-65-1	120	n-Propylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.025	ppbv		ND	0.85	0.11	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.034	ppbv		ND	1.4	0.23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.035	ppbv		ND	1.1	0.19	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.029	ppbv		ND	0.98	0.14	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.044	ppbv		ND	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.031	ppbv		ND	0.93	0.14	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.083	0.040	0.024	ppbv		0.56	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	3.2	0.20	0.074	ppbv		9.4	0.59	0.22	ug/m3
108-88-3	92.14	Toluene	0.14	0.20	0.032	ppbv	J	0.53	0.75	0.12	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.036	ppbv		ND	0.21	0.19	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.20	0.20	0.028	ppbv		1.1	1.1	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	0.056	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.058	ppbv		ND	0.87	0.25	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.037	ppbv		ND	0.87	0.16	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.037	ppbv		ND	0.87	0.16	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ENVIRONMENTAL Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Client: ERM, Melville, NY

Site: J&H Manufacturing Site - Carle Place, New York

SDG #s: JB29428 and JB29821

Laboratory: Accutest Laboratories – Dayton, New Jersey Date: March 28, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
01	MW-02	JB29428-1	Ground Water
02	MW-03	JB29428-2	Ground Water
03	MW-04	JB29428-3	Ground Water
04	MW-05	JB29428-4	Ground Water
04MS	MW-05 MS	JB29428-4S	Water Matrix Spike
04MSD	MW-05 MSD	JB29428-4D	Water Dup/MSD
05	DUP022013 (MW-02)	JB29428-5	Ground Water
06	FB022013	JB29428-6	Field Blank Water
07	TB022013	JB29428-7	Trip Blank Water
08	MW-01	JB29821-1	Ground Water
09	FB022513	JB29821-2	Field Blank Water
10	TB022513	JB29821-3	Trip Blank Water

The laboratory reports non-detects with an ND on the Report of Analysis Summaries (Form Is). In the review, qualification of non-detect data will be listed as UJ. The Form Is will only be qualified with a "J" next to the ND.

VOLATILE ORGANIC COMPOUNDS
USEPA SW-846 8260B

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (October 1999), the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-24, Revision 2, October 2006: Validating Volatile Organic Compounds by SW-846 Method 8260B, and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times - All HT criteria were met.

Surrogates - All surrogate recoveries met QC criteria.

MS/MSD – One MS/MSD set was collected on EDS ID 04. This MS/MSD exhibited acceptable %R and RPDs. The laboratory also provided batch QC to fulfill method requirements. The batch QC is not used to qualify the sample data.

Blank Spike Samples (BSS) - The BSS samples exhibited acceptable %R values except for chloroethane, chloromethane, and trichloroethene which recovered above QC criteria in the BSS applicable to all samples in Accutest Job Number JB29428. These compounds may possibly be biased high in samples in Accutest Job Number JB29428. No qualification of the sample data was required as these compounds were not positively identified in any samples in Accutest Job Number JB29428.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Trip, Field Blank – Two field blanks and two trip blanks were collected with the samples in this data set. All exhibited no target compounds.

GC/MS Tuning - All of the BFB tunes met QC criteria.

Initial Calibration - The initial calibration exhibited acceptable %RSD and mean RRF values except the following. Calibrations applicable to QC samples only have not been listed.

ICAL	Compound	%RSD/RRF	Qualifier	Affected Samples
V2A5397-ICC5397	2-Butanone	RRF = 0.048	UJ	01 to 07
V2B4684-ICC4684	2-Butanone	RRF = 0.047	UJ	08 to 10

It is the reviewer's professional opinion that the poor responses from 2-Butanone are common since 2-Butanone is typically a poor responder. Low RRFs for 2-Butanone do not require rejection for non-detects, however the associated non-detects are still considered estimated and qualified UJ.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following. Calibrations applicable to QC samples only have not been listed.

CCAL	Compound	%D/RRF	Qualifier	Affected Samples
V2B4763-CC4684	2-Butanone	RRF = 0.045	UJ	08 to 10

It is the reviewer's professional opinion that the poor responses from 2-butanone are common since 2-Butanone is typically a poor responder. Low RRFs for 2-Butanone do not require rejection for non-detects, however the associated non-detects are still considered estimated and qualified UJ.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Blind Field Duplicates – One blind field duplicate sample, EDS ID 05 (DUP022013), was collected from EDS ID 01 (MW-02). A comparison of the sample data indicates that results compare well.

Compound Quantitation – No deficiencies were reported with the samples from this data set.

Accutest LabLink@718386 02:20 14-Mar-2013

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	JB29821-1	Date Sampled:	02/25/13
Matrix:	AQ - Ground Water	Date Received:	02/26/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B105155.D	1	03/01/13	DR	n/a	n/a	V2B4763
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	JB29821-1	Date Sampled:	02/25/13
Matrix:	AQ - Ground Water	Date Received:	02/26/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	13.3	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	0.47	1.0	0.22	ug/l	J
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		81-121%
17060-07-0	1,2-Dichloroethane-D4	102%		74-127%
2037-26-5	Toluene-D8	102%		80-122%
460-00-4	4-Bromofluorobenzene	97%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@718386 02:19 14-Mar-2013

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	JB29428-1	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132185.D	1	02/27/13	CC	n/a	n/a	V2A5639
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	JB29428-1	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	2.2	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		81-121%
17060-07-0	1,2-Dichloroethane-D4	98%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	100%		78-116%

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@718386 02:19 14-Mar-2013

Report of Analysis

Client Sample ID:	DUP022013		
Lab Sample ID:	JB29428-5	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132182.D	1	02/27/13	CC	n/a	n/a	V2A5639
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP022013		
Lab Sample ID:	JB29428-5	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	2.2	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	99%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	100%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@718386 02:19 14-Mar-2013

Report of Analysis

Client Sample ID:	MW-03		
Lab Sample ID:	JB29428-2	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132186.D	1	02/27/13	CC	n/a	n/a	V2A5639
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-03		
Lab Sample ID:	JB29428-2	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	99%		74-127%
2037-26-5	Toluene-D8	96%		80-122%
460-00-4	4-Bromofluorobenzene	100%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-04		
Lab Sample ID:	JB29428-3	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132187.D	1	02/27/13	CC	n/a	n/a	V2A5639
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	1.4	1.0	0.21	ug/l	
75-25-2	Bromoform	0.86	4.0	0.21	ug/l	J
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	1.1	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	1.7	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-04		
Lab Sample ID:	JB29428-3	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	98%		74-127%
2037-26-5	Toluene-D8	96%		80-122%
460-00-4	4-Bromofluorobenzene	100%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@718386 02:19 14-Mar-2013

Report of Analysis

Client Sample ID:	MW-05		
Lab Sample ID:	JB29428-4	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132174.D	1	02/27/13	CC	n/a	n/a	V2A5639
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-05		
Lab Sample ID:	JB29428-4	Date Sampled:	02/20/13
Matrix:	AQ - Ground Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	1.4	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	99%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	100%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@718386 02:19 14-Mar-2013

Report of Analysis

Client Sample ID:	FB022013		
Lab Sample ID:	JB29428-6	Date Sampled:	02/20/13
Matrix:	AQ - Field Blank Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132183.D	1	02/27/13	CC	n/a	n/a	V2A5639
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB022013		
Lab Sample ID:	JB29428-6	Date Sampled:	02/20/13
Matrix:	AQ - Field Blank Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	99%		74-127%
2037-26-5	Toluene-D8	95%		80-122%
460-00-4	4-Bromofluorobenzene	100%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@718386 02:20 14-Mar-2013

Report of Analysis

Client Sample ID:	FB022513		
Lab Sample ID:	JB29821-2	Date Sampled:	02/25/13
Matrix:	AQ - Field Blank Water	Date Received:	02/26/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B105154.D	1	03/01/13	DR	n/a	n/a	V2B4763
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB022513		
Lab Sample ID:	JB29821-2	Date Sampled:	02/25/13
Matrix:	AQ - Field Blank Water	Date Received:	02/26/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		81-121%
17060-07-0	1,2-Dichloroethane-D4	101%		74-127%
2037-26-5	Toluene-D8	100%		80-122%
460-00-4	4-Bromofluorobenzene	95%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@718386 02:19 14-Mar-2013

Report of Analysis

4.7
4

Client Sample ID:	TB022013		
Lab Sample ID:	JB29428-7	Date Sampled:	02/20/13
Matrix:	AQ - Trip Blank Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132184.D	1	02/27/13	CC	n/a	n/a	V2A5639
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB022013		
Lab Sample ID:	JB29428-7	Date Sampled:	02/20/13
Matrix:	AQ - Trip Blank Water	Date Received:	02/21/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	99%		74-127%
2037-26-5	Toluene-D8	96%		80-122%
460-00-4	4-Bromofluorobenzene	99%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@718386 02:20 14-Mar-2013

Report of Analysis

4.3
4

Client Sample ID:	TB022513		
Lab Sample ID:	JB29821-3	Date Sampled:	02/25/13
Matrix:	AQ - Trip Blank Water	Date Received:	02/26/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B105153.D	1	03/01/13	DR	n/a	n/a	V2B4763
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB022513		
Lab Sample ID:	JB29821-3	Date Sampled:	02/25/13
Matrix:	AQ - Trip Blank Water	Date Received:	02/26/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	100%		74-127%
2037-26-5	Toluene-D8	101%		80-122%
460-00-4	4-Bromofluorobenzene	96%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ENVIRONMENTAL Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Client: ERM, Melville, NY

Site: J&H Manufacturing Site – Carle Place, New York

SDG #s: JB27538

Laboratory: Accutest Laboratories – Dayton, New Jersey Date: March 15, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
01	FB012813	JB27538-1	Field Blank Soil
02	DW-01(0'-1')	JB27538-2	Soil
02 MS	DW-01(0'-1') MS	JB27538-2S	Soil Matrix Spike
02MSD	DW-01(0'-1') MSD	JB27538-2D	Soil Dup/MSD
03	DW-01(4'-5')	JB27538-3	Soil
04	DW-01(9'-10')	JB27538-4	Soil
05	DW-01(14'-15')	JB27538-5	Soil
06	DUP012813 (DW-01(9'-10'))	JB27538-6	Soil

SEMIVOLATILE ORGANIC COMPOUNDS
USEPA SW-846 8270D

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review (June 2008), the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-22, Revision 3, October 2006: Validating Semivolatile Organic Compounds by SW-846 Method 8270, and the reviewer's professional judgment were used in evaluating the data in this summary report.

Note(s) – Only Polyaromatic Hydrocarbons (PAHs) were analyzed for.

Holding Times (HT) – All holding times were met for all samples.

Surrogates - All surrogate percent recovery (%R) were within QC criteria except in the second diluted analysis for EDS ID 02 where all surrogate compounds were diluted out due to the required dilution. No qualification of the sample data is required when surrogates are diluted out.

MS/MSD - An MS/MSD was collected on EDS ID 02. Most %R were outside QC criteria due to the elevated presence of target compounds in the undiluted sample. All relative percent differences (RPDs) met QC criteria except for chrysene. Qualification is not based on MS/MSD results alone. No qualification of the sample data is required as the poor %R and RPD are attributable to the target compound presence in the unspiked sample.

Blank Spike Samples (BSS) – All %R met QC criteria.

Method Blank (MB) - The method blanks exhibited no target compounds.

Field Blank (FB) - The field blank exhibited no target compounds.

GC/MS Tuning - All of the DFTPP tunes met QC criteria.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and mean relative response factor (RRF) values.

Continuing Calibration (CCV) – The CCVs exhibited acceptable %D and RRF values.

Internal Standard (IS) Area Performance - All IS area responses and retention time (RT) criteria were met.

Blind Field Duplicate – One blind field duplicate sample was collected with this data set. EDS ID 06 (DUP012813) was collected on sample EDS ID 04 (DW-01(9'-10')). A comparison of the sample data indicates that results did not compare well. As a result both sets of data are considered possibly biased and therefore estimated and have been qualified J/UJ for those compounds that did not compare well. In all instances the reported concentration in the sample was higher than in the blind field duplicate. The data, while estimated, is still valid and useable for project objectives.

Compound Quantitation – EDS ID 02 was initially analyzed undiluted. The sample was then reanalyzed at a 20-x dilution due to several target compounds exceeding the calibration range of the instrument. The sample still required an additional analysis to obtain results within calibration range. The laboratory has reported only the final results on the Form I for each compound. The dilutions were justified and the sample data are valid and useable for project objectives. No other issues were observed.

Accutest LabLink@715777 11:26 28-Feb-2013

Report of Analysis

Client Sample ID:	DW-01(0'-1')		
Lab Sample ID:	JB27538-2	Date Sampled:	01/28/13
Matrix:	SO - Soil	Date Received:	01/29/13
Method:	SW846 8270D SW846 3550C	Percent Solids:	94.3
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P70675.D	1	02/08/13	NAP	02/07/13	OP63407	EP3024
Run #2	P70694.D	20	02/11/13	NAP	02/07/13	OP63407	EP3025
Run #3	P70706.D	100	02/11/13	NAP	02/07/13	OP63407	EP3025

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2	31.3 g	1.0 ml
Run #3	31.3 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	6200 [a]	680	200	ug/kg	
208-96-8	Acenaphthylene	1020	34	11	ug/kg	
120-12-7	Anthracene	12000 [a]	680	240	ug/kg	
56-55-3	Benzo(a)anthracene	53300 [a]	680	220	ug/kg	
50-32-8	Benzo(a)pyrene	50600 [a]	680	210	ug/kg	
205-99-2	Benzo(b)fluoranthene	63600 [a]	680	230	ug/kg	
191-24-2	Benzo(g,h,i)perylene	33200 [a]	680	250	ug/kg	
207-08-9	Benzo(k)fluoranthene	40600 [a]	680	250	ug/kg	
218-01-9	Chrysene	69100 [b]	3400	1100	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	12100 [a]	680	230	ug/kg	
206-44-0	Fluoranthene	171000 [b]	3400	1500	ug/kg	
86-73-7	Fluorene	7140 [a]	680	220	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	33300 [a]	680	240	ug/kg	
91-20-3	Naphthalene	916	34	9.2	ug/kg	
85-01-8	Phenanthrene	121000 [b]	3400	1500	ug/kg	
129-00-0	Pyrene	125000 [b]	3400	1300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	65%	60%	0% [c]	21-122%
321-60-8	2-Fluorobiphenyl	65%	61%	0% [c]	30-117%
1718-51-0	Terphenyl-d14	86%	76%	0% [c]	31-129%

(a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	DW-01(4'-5')		
Lab Sample ID:	JB27538-3	Date Sampled:	01/28/13
Matrix:	SO - Soil	Date Received:	01/29/13
Method:	SW846 8270D SW846 3550C	Percent Solids:	95.6
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20324.D	1	02/08/13	NAP	02/07/13	OP63407	EF5064
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	26.5	35	11	ug/kg	J
50-32-8	Benzo(a)pyrene	26.0	35	11	ug/kg	J
205-99-2	Benzo(b)fluoranthene	32.0	35	12	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	19.5	35	13	ug/kg	J
207-08-9	Benzo(k)fluoranthene	27.4	35	13	ug/kg	J
218-01-9	Chrysene	40.3	35	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
206-44-0	Fluoranthene	67.8	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	18.2	35	12	ug/kg	J
91-20-3	Naphthalene	ND	35	9.5	ug/kg	
85-01-8	Phenanthrene	31.7	35	16	ug/kg	J
129-00-0	Pyrene	53.0	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		21-122%
321-60-8	2-Fluorobiphenyl	68%		30-117%
1718-51-0	Terphenyl-d14	89%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: F20321.D

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Report of Analysis

Client Sample ID:	DW-01(9'-10')		
Lab Sample ID:	JB27538-4	Date Sampled:	01/28/13
Matrix:	SO - Soil	Date Received:	01/29/13
Method:	SW846 8270D SW846 3550C	Percent Solids:	95.5
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20321.D	1	02/08/13	NAP	02/07/13	OP63407	EF5064
Run #2							

	Initial Weight	Final Volume
Run #1	31.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	33	9.5	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
120-12-7	Anthracene	16.0	33	11	ug/kg	J
56-55-3	Benzo(a)anthracene	102	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	101	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	126	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	70.8	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	78.2	33	12	ug/kg	
218-01-9	Chrysene	148	33	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	27.4	33	11	ug/kg	J
206-44-0	Fluoranthene	326	33	14	ug/kg	J
86-73-7	Fluorene	ND	33	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	62.6	33	11	ug/kg	J
91-20-3	Naphthalene	ND	33	9.0	ug/kg	
85-01-8	Phenanthrene	164	33	15	ug/kg	J
129-00-0	Pyrene	232	33	13	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		21-122%
321-60-8	2-Fluorobiphenyl	66%		30-117%
1718-51-0	Terphenyl-d14	87%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: F20323.D

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Report of Analysis

4.6 4

Client Sample ID:	DUP012813		
Lab Sample ID:	JB27538-6	Date Sampled:	01/28/13
Matrix:	SO - Soil	Date Received:	01/29/13
Method:	SW846 8270D SW846 3550C	Percent Solids:	94.0
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20323.D	1	02/08/13	NAP	02/07/13	OP63407	EF5064
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	21.0	35	12	ug/kg	J
50-32-8	Benzo(a)pyrene	16.4	35	11	ug/kg	J
205-99-2	Benzo(b)fluoranthene	18.6	35	12	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	15.9	35	13	ug/kg	J
207-08-9	Benzo(k)fluoranthene	25.4	35	13	ug/kg	J
218-01-9	Chrysene	29.2	35	12	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	J
206-44-0	Fluoranthene	45.5	35	16	ug/kg	J
86-73-7	Fluorene	ND	35	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	14.5	35	12	ug/kg	J
91-20-3	Naphthalene	ND	35	9.6	ug/kg	
85-01-8	Phenanthrene	27.9	35	16	ug/kg	J
129-00-0	Pyrene	42.3	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		21-122%
321-60-8	2-Fluorobiphenyl	77%		30-117%
1718-51-0	Terphenyl-d14	97%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Raw Data: 2P20024.D

Accutest LabLink@715777 11:26 28-Feb-2013

Report of Analysis

Client Sample ID:	DW-01(14'-15')		
Lab Sample ID:	JB27538-5	Date Sampled:	01/28/13
Matrix:	SO - Soil	Date Received:	01/29/13
Method:	SW846 8270D SW846 3550C	Percent Solids:	95.9
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P20024.D	1	02/11/13	ALS	02/07/13	OP63407	E2P884
Run #2							

	Initial Weight	Final Volume
Run #1	32.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	32	9.4	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	31.9	32	11	ug/kg	J
50-32-8	Benzo(a)pyrene	32.1	32	9.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	40.9	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	32.3	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	23.7	32	12	ug/kg	J
218-01-9	Chrysene	43.5	32	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
206-44-0	Fluoranthene	100	32	14	ug/kg	
86-73-7	Fluorene	ND	32	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	26.4	32	11	ug/kg	J
91-20-3	Naphthalene	ND	32	8.9	ug/kg	
85-01-8	Phenanthrene	54.3	32	15	ug/kg	
129-00-0	Pyrene	69.6	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		21-122%
321-60-8	2-Fluorobiphenyl	80%		30-117%
1718-51-0	Terphenyl-d14	92%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	FB012813		
Lab Sample ID:	JB27538-1	Date Sampled:	01/28/13
Matrix:	AQ - Field Blank Soil	Date Received:	01/29/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M91333.D	1	02/05/13	OYA	01/31/13	OP63254	EM3700
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	ND	1.0	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	95%		38-129%
321-60-8	2-Fluorobiphenyl	92%		42-117%
1718-51-0	Terphenyl-d14	95%		14-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound