Investigation of Indoor Air Sources of VOC Contamination

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Executive Summary

The indoor air quality in buildings overlying groundwater contaminated with volatile organic compounds (VOCs) may deteriorate if soil gas containing VOCs enters the home, a phenomenon known as vapor intrusion. The NJDEP Site Remediation Program has experienced a dramatic increase in the number of cases requiring evaluation of this exposure pathway as awareness of its existence has increased. However, several groundwater contaminants of concern may also have indoor sources, which complicate efforts to determine whether vapor intrusion from exterior contaminant sources is occurring. It is therefore necessary, when indoor concentrations are measured, to understand the background levels of these VOCs in indoor air and to separate indoor sources from groundwater contributions so that a proper remediation plan can be put in place if a risk assessment of the indoor air concentrations indicates that the concentrations should be lowered. Most reports of indoor air concentrations have been determined for homes in urban settings, while ground water contamination can also occur in suburban and rural areas. In addition, not all Volatile Organic Compounds that can contaminate ground water have been reported in previous study. The current study was undertaken to determine what volatile compounds are present in the air in suburban and rural homes in NJ and evaluate many more compounds than have been reported previously.

Indoor air concentrations of volatile organic compounds were measured in 100 homes in suburban and rural areas throughout the state of NJ following protocols to minimize the air exchange rate in the homes as would be done in an evaluation of whether volatile compounds from contaminated ground water is contributing to the indoor air concentration of homes. Of the 57 target compounds, 23 were not detected in any of the homes while 14 compounds were

detected in at least 50% of the homes with detection limits of ~1µg/m^3. The concentrations measured provide additional evidence that indoor air concentrations of VOCs are lower than what was in homes twenty years ago. The common compounds identified in these indoor air samples included aromatic and aliphatic hydrocarbons emitted from the evaporation of gasoline, halogenated hydrocarbons commonly used as solvents in consumer products or produced as disinfection products in chlorinated drinking water, acetone and 2-butanone, which are common constituents in cosmetic products, and Freons used in refrigeration. Typical concentrations for these compounds were in the low µg/m^3 range, though values of tens, hundreds or even thousands of µg/m^3 were measured in individual homes that had major indoor sources such as use of nail polish remover (acetone), bringing dry cleaned clothing into the home or using cleaning products (tetrachloroethylene) and attached garages where automobiles were parked or gasoline powered tools stored. Compounds with known similar sources, such as gasoline for aromatic hydrocarbons, aliphatic hydrocarbons and MTBE, were highly correlated across the homes. The distribution of concentrations of most of these compounds across the homes was consistent with a log normal distribution. The levels observed are consistent, though slightly lower, than concentrations found in the air of urban homes. These data provide background indoor air concentrations resulting from indoor sources of VOCs, which will assist in separating subsurface versus indoor sources of these chemicals when vapor intrusion investigations are conducted at locations with contaminated groundwater or soil underneath homes and other buildings.

Study Purpose and Background

Over the past several years, studies of indoor air quality in buildings overlying groundwater or soil contaminated with volatile organic compounds (VOCs) have indicated that the indoor air may contain significant levels of these contaminants due to vapor intrusion from these exterior sources of contamination. The accumulating evidence indicates that parts-per-billion levels of contaminants in groundwater may result in indoor air concentrations in the $\mu g/m^3$ range, and these indoor air concentrations may exceed recommended chronic exposure levels. The NJDEP Site Remediation Program has experienced a dramatic increase in the number of cases requiring evaluation of this exposure pathway as awareness of its existence has increased. When initial investigations of cases indicate that there are potential indoor air concerns due to underlying contaminated groundwater or soil, indoor air samples are frequently taken to determine if VOC concentrations are detectable and/or unacceptable. A complicating factor in this evaluation is the fact that several contaminants that are common groundwater contaminants may also have indoor sources from consumer products, building materials, or home furnishings. Therefore, when indoor concentrations are measured, separating indoor sources from groundwater or soil contributions may be problematic.

Indoor air concentrations have been reported for homes in the US, Canada and Europe, but the majority of those reports have been in urban settings and not all volatile organic compounds (VOCs) that are often regulated as groundwater contaminants have been measured. The most commonly measured VOCs are chlorinated hydrocarbons that are common solvents and aromatic hydrocarbons that come from gasoline. Two large studies that have measured indoor air concentrations in homes in Elizabeth and Bayonne, NJ are the Total Exposure Assessment

Methodology (TEAM) study conducted in 1981-1983 (e.g. Wallace et al 1987, 1991, Wallace 1986) and the Relationships of Indoor, Outdoor and Personal Air (RIOPA) study conducted in 1999-2001 (Weisel et al 2005a, b).

In addition to measurements made in NJ during the TEAM study, samples were also collected in Greensboro, NC, Devils Lake, ND (a rural area), Los Angeles and Contra Costa County CA (Wallace 1986). Eleven target VOCs (5 one and two carbon chlorine-substituted compounds, five aromatic compounds, and dichlorobenzene) were measured in the earlier portion of the TEAM study, with later analyses expanded to examine C8 to C11 n-hydrocarbons, a-Pinene and *p*-Dioxane). Air concentrations were also measured in Houston, TX and Los Angeles, CA during the RIOPA Study.

Other large studies that have measured indoor air concentrations have been conducted in the US and Europe. The National Human Exposure Assessment (NHEXAS) study was developed based on the findings of the TEAM study to assess multi-route exposure, and measured personal exposure to VOCs in the air in the Midwest (Clayton et al 1999) and Arizona (Gordon et al 1999) Air concentrations in homes and apartments in New York City and Los Angeles have been determined as part of the Toxic Exposure Assessment Columbia/Harvard TEACH study in 2000 (Kinney et al 2002, Sax et al 2004). A large population-based European Study, EXPOLIS, reported indoor air concentrations in homes in Athens, Basel, Grenoble, Helsinki, Milan and Prague (Jurvelin et al 2002, Koistinen et al., 2001, Saarela et al 2003, Hanninen et al 2004, Edwards et al 2005).

There have also been smaller studies examining indoor air in urban homes in a number of other countries (Baek, et al 1997, Seifert et al 1999, Son et al 2003, Sexton et al 2004, Phillips et al 2005, Zhu et al 2005). While these studies have documented that ambient air levels of VOCs surrounding the home provides a baseline for the indoor air concentration, off-gassing of materials in the home, solvents, paints cleaning agents and consumer products can also be an important contributors to the levels of VOCs within the home and in some cases be the dominate source for the concentrations measured indoors. Thus, while the ambient air levels of VOCs in suburban and urban settings are expected to lower than in urban settings, the concentration of many VOCs in homes within those settings may not be.

Many key volatile, groundwater contaminants regulated by the NJDEP might be expected to penetrate from soil gas into homes (Table 1). While many VOCs listed (Table 1) are only occasionally found in groundwater, others are relatively common groundwater contaminants. Other compounds (e.g. MIBK, acetone, and MEK), may be commonly found in indoor air because of indoor sources, but are not common groundwater contaminants. Some compounds that contaminate groundwater also have indoor air sources. VOCs present in gasoline, a common ground water contaminant, can also vaporize from cars, other engines (e.g. lawn mowers, recreational vehicles) or fuel containers stored in attached garages. Other groundwater contaminants do not have common indoor sources, such as the dichloroethanes/enes and propanes/enes. Current data are inadequate for evaluation of typical indoor air levels for several common ground water contaminants particularly for rural and suburban NJ. This study was conducted to help fill this data gap.

Study Objectives

The primary study objective was to measure indoor air concentrations of VOCs in suburban and rural homes in New Jersey to complement the concentrations previously reported in urban areas. The residences were selected from rural and suburban communities in NJ where no known environmental contamination was present. Homes were selected from counties throughout the state of New Jersey. The goal of the study was to provide an estimate of the background indoor air concentrations of VOCs in homes unaffected by local contamination.

House Selection Criteria and Sampling Protocols

Two overriding criteria were used for house selection in the study: 1) the houses were to be single family or semi-attached homes in municipalities with population densities of less than 4000 people/square mile, thereby focusing on suburban and rural areas; and 2) the houses could not be located over known or reported ground water contaminated plumes or contaminated soil. The homes were selected from counties throughout the state of NJ. Samples were collected for 24 hours using a canister sampler placed on the ground floor of the home in an actively used living space other than a kitchen, to minimize collection of compounds emitted during cooking. A questionnaire was administered to the participant before sampling to identify potential indoor sources of the target chemicals.

The following instructions were given to the subjects during the sampling to best match what is told to individuals who have their home sampled because of suspected contaminated soil gas intrusion while still not eliminating potential indoor sources of volatile organic compounds:

-Keep the windows and doors closed (except when entering and leaving the house) during the sampling (NOT 48hours before as specified for homes evaluated for contaminated soil gas intrusion)

-Not to use fireplaces or kerosene or propane heaters (unless those are the sole heating source) during sampling

-Not to use whole house fans and have air conditions operate in recirculation mode during sampling

-Confirm that there was no painting a week before sampling

-Not to store gasoline containers in building proper

-Not to operate a gasoline power devices in building

These instructions are designed to maximize the indoor air concentration of compounds that penetrate into a house through vapor intrusion, while minimizing large indoor sources of a key class of groundwater contamination, gasoline.

GIS Evaluation

As part of the home selection criteria, it was desired to avoid homes that were at, or very near, known areas of soil or groundwater contamination. An evaluation of potential ground water and soil contamination near candidate homes was conducted using existing NJDEP GIS databases. These databases contain the most comprehensive information readily available pertaining to the locations of contaminated sites in New Jersey. Contaminated sites that have not yet been discovered undoubtedly still exist; nonetheless, by cross-checking candidate home

locations against the NJDEP GIS databases, a reasonably confident assessment was made as to whether candidate homes had the potential to be affected by local sources of contamination.

Two GIS coverages included specific maps of areas of groundwater contamination. These are coverages of the Classification Exception Areas (CEAs) and the Currently Known Extents of ground water contamination (CKEs). CEAs are likely to more accurate than CKEs because the extent of groundwater contamination is reasonably well known, but the mapped area may be larger than the actual current extent of contamination. The CKEs include large known areas of groundwater contamination. Some of the CKEs are not accurate in terms of the extent of current contamination, due to a lack of adequate data. Therefore, the contaminated area in some cases may be larger, or occasionally smaller, than the mapped area. Nonetheless, these two coverages were useful for checking against candidate home locations.

Another coverage, the Known Contaminated Site List (KCSL), was also used when checking the location of candidate homes. This coverage contains a list of all sites where NJDEP has investigated potential contamination of soil or groundwater, or both. This database includes sites where groundwater has been contaminated, but not mapped, or where groundwater has not yet been investigated. It also includes areas of soil contamination without groundwater contamination.

Two other coverages were also examined: EQUIS_LOC, which contains sample locations for many recently investigated sites, and DER locations, areas of restricted use due to past contamination. Most of these latter locations are areas of historic fill, which never occurred at the location of homes in this study.

Homes were generally eliminated if they were closer than ½ mile from known areas of contamination. For petroleum hydrocarbon contamination originating from local gasoline

stations or homeowner fuel tanks, this distance was lowered to 1000 feet since contamination from these cases has seldom been found to extend further than this distance, and generally is less than 500 feet.

The GIS coverages used in this study were current as of mid-2003 and were obtained from GIS staff from the Site Remediation Program.

Subject Recruitment

A total of one hundred homes that met the above criteria were included in the study, along with one home that was determined to be above a contaminated ground water source after the sample was collected. Data from that home (#22) are not included but has resulted in a missing number in the home ID sequence. Contact for potential participants was made using three approaches. The initial recruitment was done among the members and staff at the Environmental and Occupational Health Sciences Institute using an e-mail to request for volunteers who would be willing to have samples collected in their homes. The second approach to obtain participants was through contacts within the various Agricultural Cooperative Extension Agents associated with Rutgers University. Different agents were contacted and if they agreed to publicize the study, flyers were sent to their bureaus for posting and distribution at meetings. The flyers contained telephone and e-mail contact information for the study. The last approach to obtain participants was through word of mouth from the existing participants in the study. The addresses of individuals who agree to participate in the study were sent to NJ DEP for verification as to whether they were adequately distant from known sources of contamination (discussed previously), and to ensure that the population density of the municipality of concern was below 4000/square mile. Participants in the program received a small stipend of $25 as

compensation for the time they spent in answering the questionnaire and allowing for the placement of the sampler in their home. The number of homes from each county and the general locations of the homes samples on a map of NJ are presented in Table 2 and Figure 1, respectively.

In all cases informed consent was obtained from each subject and all protocols were approved and reviewed annually by the UMDNJ/RWJMS Institutional Review Board for Human Subjects.

Methodology

Sample Collection and Analysis

Indoor air samples were collected and analyzed using EPA Method TO-15 for indoor air, and a questionnaire administered to ascertain the sources of the indoor air VOCs. STL Burlington is a certified contract laboratory with which NJDEP has a laboratory contract and has met the QA/QC requirements of the state, performed the analyses.

The TO-15 method is a canister based method. A 6-Liter Summa® canister, with a flow controller, was provided by STL Burlington. The air sample was collected from the ground floor (living space) at each property. The inlet of the sampler was placed at breathing zone height (3-5'). The sampler was started and a nominal twenty four hour sample collected, with the exact duration of the sample recorded. It was requested that STL Burlington only provide canisters with pressure gauges in place so the integrity of the vacuum could be ascertained prior to the initiation of the sampling and the amount of sample collected when the canister was retrieved. This request was made after several invalid samples were collected at the beginning of the project had to be repeated as the initial vacuum was insufficient for the sample collection. After the sample was collected, the canister was shipped to the laboratory for analysis following procedures outlined in "Compendium Method TO-15 Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially Prepared Canisters and Analyzing by Gas Chromatography/Mass Spectrometry (GC/MS)." The samples were analyzed following the method found in the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (January 1999). These procedures are on the USEPA website http://www.epa.gov/ttn/amtic/airtox.html (June 2006).

Questionnaire

A short questionnaire was developed to ascertain the presence of possible indoor sources of compounds being measured (Appendix A). The questions focused on general information about the home (e.g. number of floors, age, type of heating, when renovations have been done) and typical products located or used in home (e.g. smoking, presence of pets, cleaning or purchase of furniture, painting) that could release the target VOCs being measured. Responses to the questionnaire are given in Appendix B.

Results

Quality Assurance

Six pairs of samples were collected in duplicate to assess the precision of the sampling and analyses methods (Table 3). All of the duplicate samples were collected with pressure gauges so no samples were invalid due to pressure losses. A significant number of compounds in all of the duplicate pairs were below the detection limit, as found for many of the samples. When a measurement was below detection the concentration is followed by the letter "U" in Table 4. When both samples of a duplicate pair were below the detection limit an "*" was placed in the column marked ratio in Table 4 and when a single sample of the pair for a compound was below detection while the second sample of the pair had a measurable concentration a "-" was placed in the ratio column. Overall, the precision of the measurements for paired samples that had measurable concentrations was excellent, with the pairs generally agreeing within 30%. In addition, most of the time when a value was below detection in one sample of the pair it was below detection in the second or only slightly above detection (within 30% of the detection limit) in the second sample. Samples pairs whose differences exceeded the 30% guideline (whether both or just one value was above the detection limit) are indicated in the Table 4 by being shaded. Only n-hexane had more than a single (two) ratio of the paired samples outside the 30% agreement range and those values were just slightly greater than 30% (Table 4). 2-Butanone had three sample pairs that had one value below detection (1.5µg/m^3) while the second value was between 2.5 and 2.9µg/m^3. The cause for this discrepancy is not known.

Concentrations

The summary statistics from the one hundred homes are given in Table 5. Concentrations of individual samples are in Appendix C. Many of the compounds had the vast majority of the concentrations below the detection limit of the analyses reported by STL Burlington as specified with contract to the state of New Jersey. During the course of the project the detection limit of a number of the compounds improved so two different detection limits are reported for some of the compounds. The compounds that were never or rarely detected are given in Table 6. Compounds routinely detected above the detection limit (typically 1 to 5 $\mu g/m^3$) in at least half of the homes were: acetone, benzene, 2-butanone, chloromethane, dichlorofluoromethane, ethyl benzene, *n* heptane, *n* hexane, methyl *tert* butyl ether (MTBE), toluene, trichlorofluoromethane (Freon 11), 1,2,4 trimethylbenzene, *m/p* xylenes and *o* xylene. Compounds above the detection limit in at least 10% but in less than 50% of the homes were: chloroform, cyclohexane, 1,4 dichlorobenzene, ethyl benzene, p ethyltoluene, methylene chloride, 4 methyl 1,2 pentanone (MIBK), styrene, tetrachloroethylene (PERC), 111 trichloroethane, 1,3,5 trimethylbenzene, and 2,2,4 trimethylpentane. Many of these compounds have known sources indoors (e.g. emissions from automobiles parked in a garage attached to a house, tobacco use, cleaning products, dry cleaning agents and volatilization from chlorinated tap water) or are at quantifiable levels in outdoor air due to emissions from automobiles, industrial and commercial ambient air emission.

Distributions

Histograms of compounds that were detected in at least ten of the samples are provided in Figures 2. These figures show evidence of the right skewness of typical environmental data with a few homes having air concentrations well in excess of the remaining homes. Due to two

different MDL values reported for some compounds some figures appear to have two peaks at the lower end of the concentration range. This is an artifact of reported two MDL values, as indicated in the figures, not a real variability in the air concentrations. For compounds whose concentrations were above the detection limit in two thirds or more of the samples, a log transformation was done on the concentration and a new histogram displayed along with the normal distribution curve calculated based on the mean and standard deviation of the log transformed data. Based on a visual examination, most of these compounds appear to be consistent with a log normal distribution. There still appears to be some higher values for acetone and MEK which are probably associated with the use of nail polish remover in the same room as the sampler in a few homes. The freons, dichlorodifluoromethane (Freon 12) and trichlorofluoromethane (Freon 11) also appear to have some higher values that extend beyond the normal distribution curve in the log concentration histogram, again suggesting some extreme sources in some homes, probably leaking freon sources from cooling units.

Correlation Analysis

Pearson correlations were calculated for the compounds that were above detection in at least ten samples using a two tail significance test (Table 7). The MDL level was substituted for the concentration for samples below detection. This approach can result in false correlations when the percent of values below detection are large, but since the Pearson correlation assumes a normal distribution and looks for linear regression, it will weight the actual measured values more than the MDL values. A scatter plot of the compounds that were correlated when more than half the samples were below the detection limit was visually examined to evaluate if the correlation might be an artifact of the large number of samples below the MDL. Compounds

that come from gasoline or cigarette smoke, aromatic compounds and alkanes, were significantly correlated ($p<.001$) with coefficients for MTBE, BTEX and more highly substituted aromatic compounds exceeding .7 and as high as .900 for toluene and ethyl benzene and .984 for 4-ethyltoluene with 1,2,4 trimethylbenzene. Alkanes, n-Heptane, n-Hexane and cyclohexane, were also significantly correlated with aromatic compounds and each other with coefficients of 0.3 to 0.6. Each of these compounds had close to 50% or more of the samples above the detection limit, so the correlation is meaningful. Methylene chloride was correlated with a number of aromatic compounds with a coefficient of <0.4 and with 1,4 dichlorobenzene with a value of 0.483. Sources of methylene chloride are not expected to be the same as aromatic compounds, but control mechanisms of the indoor air concentration, such as air exchange with the outdoor air, could affect all in a similar fashion. Freon 11 and Freon 12 were also highly correlated with a coefficient of 0.707. The other compounds frequently observed in homes (acetone, 2-butanone, chloroform, and tetrachloroethylene) were not significantly correlated with other compounds typically above the detection limits. Spearman correlations, which is a non-parametric test based on rank ordering of the concentrations, were also evaluated and similar results observed (Table 8), though more compounds showed statistically significant correlations. For example, acetone was correlated with aromatic compounds that have a different source. This rank ordering of the Spearman Correlations may reflect the fact that homes with high ventilation rates will tend to have lower concentrations of all compounds, while individual homes with large sources of one compound will be high for just that one compound. Since the Pearson Correlation assumes normal distributions and a linear relationship between compounds, it is better at identifying compounds with the same sources than the role of overall ventilation rate on compound concentration. This is illustrated in the scatter plots for acetone, cyclohexane and

m&p xylene with toluene (figures 3a to e) which had Pearson Correlations of 0.067, 0.503 and 0.909, respectively, and Spearman Correlations of 0.512, 0.574, and 0.799 respectively. In the full scale scatter plot (figure 3a) of acetone with toluene, the very high concentrations of acetone are not associated with high values of toluene, indicating that different sources of these compounds exist, resulting in a lack of a linear association between the two compounds and a non-significant Pearson Correlation Coefficient. The scale expanded plot of acetone and toluene (figure 3b) shows a large cluster of homes with low concentrations of both of these compounds and a tendency toward higher concentrations of both compounds for other homes. This suggests a general controlling mechanism for both compounds, likely air exchange rate. Scatter plots for cyclohexane and toluene (figure 3c full scale, figure 3d expanded scale) show a general upward trend for both compounds, resulting in similar coefficients for both Spearman and Pearson Correlations, with one high concentration for cyclohexane associated with a moderate toluene concentration. This high cyclohexane concentration and the general scatter above what appears to be a linear association between the two compounds suggest an additional source of cyclohexane to homes in addition to gasoline, the expected primary source for toluene. The scatter plots of *m&p* xylene with toluene (figure 3e) portrays a clear linear association with the highest values consistent with a linear association and a single source for these two compounds resulting in a Pearson Coefficient above 0.9. The lower Spearman Coefficient probably reflects the greater random ordering of homes at low levels concentrations of these compounds when the concentration in the homes approach the detection limit and possible small, alternate source contributions for just one compound becomes an important contributor to the indoor concentration when the mobile source contribution is minimal.

Source Analysis

Two multi-variant approaches in SPSS Version 13.01 for Windows were used to evaluate sources of compounds measured in the homes, 1) Factor Analysis to evaluate whether groups of compounds varied together indicative of similar source/control profiles and 2) GLM Univariate analysis of individual compounds using responses to selected questions that could indicate what activities or conditions within a home may contribute to the variance in that compound's concentration. The following descriptions of Factor Analysis and GLM Univariate Analysis are provided in the SPSS Help files. "Factor analysis attempts to identify underlying variables, or factors, that explain the pattern of correlations within a set of observed variables. Factor analysis can be used to generate hypotheses regarding causal mechanisms or to screen variables for subsequent analysis by identifying collinearity prior to performing a linear regression analysis. The General Linear Model (GLM) Univariate procedure provides regression analysis and analysis of variance for one dependent variable (in this case the air concentration of individual VOC) by one or more factors and/or variables (responses to the questionnaire on activity or house condition). The factor variables divide the population into groups." and "Using the General Linear Model (GLM Univariate Analysis) procedure, the null hypotheses about the effects of other variables on the means of various groupings of a single dependent variable can be tested. The interactions between factors as well as the effects of individual factors, some of which may be random can be evaluated. In addition, the effects of covariates and covariate interactions with factors can be included. For regression analysis, the independent (predictor) variables are specified as covariates."

The Principal Component Method with Varimax Rotation and a maximum of 25 iterations for convergence were the options selected for the Factor Analysis. The default conditions were used for the GLM Univariate analysis.

Factor Analysis

Compounds with more than 10% of their concentrations above the detection limit were included in the Factor Analysis. While this could result in development of a factor that includes compounds together because their concentrations were predominantly below the detection limit, it could also generate unique factors for individual or selected compounds that are driven by a small number of homes that had detectable quantities. Factor analysis identifies compounds that vary together without assigning a meaning for the factors selected. Rather the investigator "assigns" the potential meaning to each factor consistent with what is known about the sources of the compounds included. The prevalence of values below detection for each compound will be considered when interpreting each factor. A dummy variable indicating when the detection limit changed in the study was also included in the factor analysis. The goal of factor analysis is to explain as large a percentage of the total variance in the data set using as few factors as possible while accounting for all compounds that can be attributable to unique sources. The decision as to how many factors to include can be subjective. For the current analyses, the programs default values were used to select which factors to retain in the final analysis. The cutoff value considered the Scree Plot (Figure 4) to visually establish the selection point based on where the Eigenvector value drops below unity and the values begin to plateau. The program selected seven factors for inclusion, though a sharp decline in the eigenvector portrayed in the

Scree Plot is not evident in this data set. The eigenvector does decline to below one after seven factors. The lack of a sharp decline in the Scree Plot may reflect the large number of non-detects present in the dataset which were assigned either one or two constants values based in the reported MDL values.

The component matrix for the seven selected factors for the unrotated factor analysis is given in Table 9. One possible interpretation of the seven factors based on common emission sources for VOCs is presented. The first factor contains aromatic and aliphatic hydrocarbons along with methyl tert butyl ether (MTBE), and is consistent with a gasoline source. These compounds could be either from evaporative emissions from within structures attached to the house (such as an attached-garage) or automobile emissions into the ambient air that penetrate into homes. The second factor appears to be a solvent based factor consistent with emissions within the home. The compounds included are methylene chloride, trichlorofluoromethane and 1,1,1 trichloroethylene. These compounds can be emitted indoors as part of cleaning products or refrigeration. They also had a large number of samples that were below detections, so could be grouped together in this factor because of the large number of constant values reported for the MDL. The third factor has a positive coefficient for trichlorofluoromethane and negative coefficients for 1,4dichlorobenzene and methylene chloride. The potential source contributions for compounds in the factor are not obvious. The fourth factor contains Freon compounds, dichlorocloroflu oromethane and trichlorofluoromethane, suggesting that it is associated with refrigeration or air-conditioning source emissions. The fifth factor contains only acetone and likely reflects the use of nail polish remover in the home. The sixth factor contains 2-butanone (with a positive coefficient) and chloroform (with a negative coefficient). Indoor chloroform is often related to the chlorinated water use for showering, washing and cooking but it is unclear

why is might be included in a factor with butanone in the opposite direction. The last factor contains only tetrachloroethylene, the primary agent in dry-cleaning.

To improve the delineation of the clusters of the compounds in their appropriate factors a Varimax rotation was done (Table 10). After rotation, the factors show more consistency with source emissions descriptors that were applied to them. The first factor remains associated with compounds that are emitted from evaporative and exhaust emissions from gasoline. The second factor contains for compounds that are also associated with gasoline sources, but include primarily the lightest of the compounds measured which suggests a stronger strong association with evaporative emissions rather than exhaust emissions, emissions that would occur in attached garages. The third factor is still associated with compounds that have indoor sources found for cleaning products or added as fragrances to consumer products, such as of 1,4 dichlorobenzene. The fourth factor contains the two Freon compounds measured, indicative of refrigeration or air-conditioning units. The fifth factor contains chloroform and styrene. The combining of these two compounds is likely an artifact of both having many samples below detection limit. The sixth factor contains acetone and 2-butanone, compounds commonly present in nail polish and nail polish remover. The last factor again has only tetrachloroethylene, the common dry-cleaning compound.

Univariate Analysis

To evaluate whether specific activities or conditions within a home could be associated with indoor air concentrations of specific compounds a series of Univariate Analysis of Variance

evaluations were done using different compound concentrations as the independent variables and responses on the questionnaire as the dependent variable. The responses to questions used as the independent variable for a particular compound was selected because it provided information on conditions that could affect likely sources for that compound.

Prior to running the Univariate analyses, a series of t-tests were run comparing the mean concentrations of compounds divided by the yes/no responses to the questions related to likely source emissions of that compound.

For the compounds in the mobile source factor, the means of the concentration were calculated for the yes/no responses to the following questions: presences/absence of an attached garage; presence/absence of a doorway between the garage and house; car in the garage during sampling; and presence/absence of gasoline powered engines other than a car in the garage; were calculated. The latter three conditions required that the house have an attached garage and are therefore subsets of the first question. It also observed that the set of homes that had a car in the garage was identical to the set of homes that had other gasoline powered engines. In addition, only three homes that had attached garages did not have a door connecting the garage to house. Each of the hydrocarbons that were included in the first and second factors of the factor analysis which were assigned to mobile sources, had statistical differences between for the two groups defined by the house having a garage, except for cyclohexane (Table 11).

Location of garage and if a doorway was existed between the garage and house along with the age of the home were generally included in the GLM Univariate model with a statistically significant coefficient. In some cases the response to the question was there a car in the garage was selected by the model rather than the response to the question, was there a door

between the garage and house. As indicated above, the response to these two questions were very similar. There was a significance interactions term between the age of the home and having an attached garage. This is likely since older homes were generally not built with attached garage. (Table 12)

The next factor included methylene chloride, 1,1,1 trichloroethane and 1,4 dichlorobenzene which are in cleaning agents and/or deodorizers. The mean concentrations were compared based on responses to questions about use of deodorizers, mothballs and room fresheners, which contain 1,4 dichlorobenzene, and about the use of paint thinner/stripper, which contains the other two chlorinated compounds (Tables 13). A significant statistical association ($p<.05$ equal variances) for 1,4 dichlorobenzene was observed based on t-tests when the homes were divided by use or non-use of mothballs, but not for deodorizers, scented candles nor paint thinner/stripper. Methylene chloride was not different in any category and 1,1,1 trichloroethane had statistically different mean concentrations in only the paint thinner/stripper category and higher mean concentrations were in the homes that did not use these items. This suggests that there are other sources of these compounds that were not asked about.

When the univariate analysis was done for 1,4 dichlorobenzene the variables, mothballs and age of home, were included in the regression model but not deodorizers nor scented candles. Some interaction effects with age of home were apparent. Methylene chloride and 111, trichloroethane did not generate univariates model that identified any of the questions thought to be associated with their source emission as statistically significant in the model. Age of home was found included in model but the higher concentrations were in the older home, which is the reverse of what would be expected if older homes were less air tight and therefore higher air

exchange rates. It is likely to be an artifact of some other use of products that contained 111 trichloroethane by a subset of the participant who lived in older homes. The data for 111 trichloroethane were further examined for the first 50 homes separately from the last 50 homes since the detection limit changed for this compound over the course of the study. The association between age of home and concentration was in the last 50 homes, which had the lower detection limit. The 111 trichloroethane concentration in the first 50 homes was above detection in only five homes, with three of those just barely about the detection limit so trends could not be identified for those homes. A similar analysis was not done for methylene chloride since the detection limit did not change over the course of the study for that compound (Table 14)..

The fourth factor contained freons which are associated with leaking air conditioner and refrigeration units. These were not examined by t-test or univariate analysis.

The next factor contained chloroform and styrene. No sources specific for styrene were queried about so no evaluation was done for that compound. The predominate characteristic linking these two compounds in this data set is that both contained a large number of non-detectable values. One potential source of chloroform in the indoor air is showering and other uses of chlorinated water. No difference in concentration in chloroform concentration was identified based on a t-test that divided homes based on whether a home was served by a public or private water supply (Table 15). Public water systems are typically chlorinated in NJ while private wells are not. One confounder in the analysis is chloroform was only above detection in a relatively small number of homes and many of the measurable concentrations, when the detection limit was improved, were below the initial higher detection limit. This resulted in the

mean value calculated being associated with the detection limit at the time of measurement. The univariate analysis included whether the home was on public water system as a statistically important variable in along with which MDL value was associated with the sample. Which detection limit the sample was measured with was highly significant in the Univariate analysis for chloroform and whether the house had public water had an F significance value of 0.094. Month of collection, which can affect the levels of chloroform formed in the water system was not significant (Table 16).

The sixth factor contained acetone and 2-butanone, chemicals commonly found in nail polish remover. While mean concentrations are higher in the homes that the residents reported using nail polish the T-test were just below significance based on the p value being >0.05 but <0.10 (Table 17). The univariate analysis for acetone and for 2-butanone identified nail polish and age of home as contributors, consistent with nail polish known to contain these two substances. However, the significance for this source towards those compounds were not as strong as observed in the other analyses suggesting that its contribution might be highly variable or other sources of these compounds exist in the home that were not captured by these analyses (Table 18).

The last factor contained tetrachloroethylene whose indoor air concentration is typically associated with emissions from dry cleaning brought into a home. No statistical difference in the mean concentrations was identified between homes that reported having dry cleaning in the home from those that did not (Table 19).. In fact, higher mean concentrations were calculated for homes that did not bring dry cleaning indoors. This suggested that another source of

tetrachloroethylene in at least some of these homes. The home with the highest concentration of tetrachloroethylene reported the use of large amount of degreasing cleaning for cleaning of both materials and hands, a likely source of this compound. Both of these potential sources of tetrachloroethylene, bringing dry cleaning into a home and use of paint thinner, were included in the univariate model along with age of home and which MDL was applicable for the sample. There were some interactive terms between dry cleaning and paint thinner use and among paint thinner use and age of home that were statistically significant.

Overall, the univariate analyses were more robust than the t-test in showing statistical associations between the responses to questions about potential sources in the home since there were often several sources for some compounds that were not present in all homes and age of home appear to be an important modifier of associations. The question responses that were associated with the compounds in the univariate analysis confirmed the likely sources assignments made for the factor analysis and indicate what concerns there would be for potential indoor sources when evaluating the indoor VOC concentrations measured in homes in suburban and rural areas (Table 20).

Comparison to Other Data Bases

The air concentrations measured are compared to reported values from the RIOPA and TEAM studies in Table 21. Many more compounds were measured in this study than reported in either of the other two studies, with most, but not all, of those compounds being below the detection limit in all, or at least 90%, of the samples. Some compounds detected in at least 10% of the homes not reported in the RIOPA or TEAM studies include: acetone, 2-butanone,

chloromethane, cyclohexane, dichlorofluromethane, 4, ethyltoluene, n-heptane, trichlorolfluoromethane, 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, and 2,2,4 trimethylbenzene. Some of these compounds have been reported in other smaller studies in locations other than NJ. For compounds listed in Table 21 that were present in the RIOPA and/or the TEAM studies, the concentrations measured during the TEAM study are much higher. This probably reflects the higher ambient levels and greater presence of these compounds in consumer projects and gasoline in the 1980's than currently exist. In addition, the TEAM study collected personal samples, not indoor air samples, though the nighttime samples were mostly left near the bed and not worn. Personal air samples typically have higher VOC concentration than indoor air samples since consumer products used that contain VOCs are closer to the personal sampler than an indoor sampler. The RIOPA indoor air concentrations, which were measured in samples collected in Elizabeth, NJ during 1999-2001, are comparable or slightly lower than the concentrations measured in the homes of the suburban and rural homes sampled here. Since the median and mean indoor air concentrations measured during the RIOPA study were slightly elevated relative to the outdoor levels for most of the compounds measured, the air concentration similarities probably reflect similar indoor sources of compounds in the urban and the suburban/rural settings. The slight elevation of the mean and median indoor air concentration some compounds in the suburban/rural home compared to samples collected in Elizabeth could reflect the greater prevalence of attached garages for the types of homes present in the suburban NJ compared to Elizabeth, an urban setting. Cars parked in a garage are a known source of gasoline-derived compounds to the indoor air. Another contributor to these compounds is cigarette smoke. However, smoking was not reported in many homes in either study, with only

three homes reporting this activity in this study and a selection criterion of homes in the RIOPA study was the residents had to be non-smokers.

A t-test was run between the current data and the RIOPA NJ data to evaluate if the concentration of any of the compounds was statistically different between the two studies, using the mean, standard deviation and number of samples analyzed. This has some limitation as the data are not normally distributed, an assumption within the test, and the mean and "n" used were the detection limit and total number of samples in the study even if the concentration was below detection, respectively. The first two assumptions lead to a less robust test in identifying the two groups as being statistically different, while the last assumption could overpredict a comparison as being statistically different. Considering these caveats, a number of compounds, particularly those associated with gasoline, and chloroform, 1,4 dichlorobenzene and methylene chloride, had p values <0.05, suggesting that the differences (higher values in the suburban/rural homes) are statistically significant (Table 22).

Conclusions

Indoor air concentrations of volatile organic compounds were measured in 100 homes in suburban and rural areas throughout the state of NJ. Of the 57 target compounds, 23 were not detected in any of the homes while 14 compounds were detected in at least 50% of the homes with detection limits of ~1µg/m^3. The common compounds identified in these indoor air samples included aromatic and aliphatic hydrocarbons emitted from the evaporation of gasoline, halogenated hydrocarbons commonly used as solvents in consumer products or produced as disinfection products in chlorinated drinking water, acetone and 2-butanone common in cosmetic products, and Freons used in refrigeration. The distribution of concentrations of most of these compounds across the homes was consistent with a log normal distribution. The levels observed are consistent, though slightly higher, than found in air of urban homes. These data provide background indoor air concentrations for comparison to homes that might be above a contaminated water source to evaluate whether intrusion of volatile organic compounds is elevating the indoor air concentrations in those homes.

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Table 1 - VOCs regulated in groundwater and of potential interest in indoor air

	CAS No.
Acetone (2-propanone)	67-64-1
Acrolein	107-02-8
Benzene	71-43-2
Bromodichloromethane (Dichlorobromomethane)	75-27-4
Bromoform	75-25-2
Bromomethane (Methyl bromide)	74-83-9
2-Butanone (Methyl ethyl ketone) (MEK)	78-93-3
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chlorobenzene	108-90-7
Chloroethane	75-00-3
Chloroform	67-66-3
Chloromethane (Methyl chloride)	74-87-3
Dibromochloromethane (Chlorodibromomethane)	124-48-1
1,2-Dibromoethane	106-93-4
1,2-Dichlorobenzene (o-Dichlorobenzene)	95-50-1
1,3-Dichlorobenzene (m-Dichlorobenzene)	541-73-1
1,4-Dichlorobenzene (p-Dichlorobenzene)	106-46-7
Dichlorodifluoromethane	75-71-8
1,1-Dichloroethane	75-34-3
1,2-Dichloroethane	107-06-2
1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4
1,2-Dichloroethene (cis) (c-1,2-Dichloroethylene)	156-59-2
1,2-Dichloroethene (trans) (t-1,2-Dichloroethylene)	156-60-5
1,2-Dichloropropane	78-87-5
1,3-Dichloropropene (cis and trans) (summed)	542-75-6
Ethylbenzene	100-41-4
Methylene chloride (Dichloromethane)	75-09-2
4-Methyl-2-pentanone (MIBK)	108-10-1
MTBE (tert-butyl methyl ether)	1634-04-4
Styrene	100-42-5
Tertiary butyl alcohol (TBA)	75-65-0
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethene (PCE) (Tetrachloroethylene)	127-18-4
Toluene	108-88-3
1,1,1-Trichloroethane	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethene (TCE) (Trichloroethylene)	79-01-6
Trichlorofluoromethane	75-69-4
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1
Vinyl chloride	75-01-4
Xylenes (total)	1330-20-7

Table 2 Distribution of Homes Sampled by County			
Burlington	10	Morris	3
Cumberland	1	Ocean	8
Gloucester	3	Passaic	3
Hunterdon	12	Somerset	14
Mercer	12	Union	2
Middlesex	23	Warren	6
Monmouth	3		

Table 3

Duplicate Analyses for QA/QC Evaluation – Concentrations Given in µg/m^3

Sample ID	EOHSI-051	EOHSI-151	EOHSI-052	EOHSI-152	EOHSI-058	EOHSI-158	EOHSI-059	EOHSI-159	EOHSI-097N	EOHSI-197N	EOHSI-097E	EOHSI-197E
Acetone (2-propanone)	26.0	26.0	12.0U	12.0U	24.0	12.0	16.0	14.0	20.0	21.0	24.0	23.0
Benzene	0.8	0.8	1.5	1.5	1.8	1.9	1.7U	1.5	1.4	1.4	1.8	1.8
Bromodichloromethane	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Bromoethene	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U
Bromoform	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U
Bromomethane (Methyl bromide)	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,3-Butadiene	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	1.1U	1.1U	1.1U	1.1U
2-Butanone (Methyl ethyl ketone)	1.5U	2.9	2.4	2.5	2.5	1.5U	2.7	1.5U	1.5U	1.5U	1.5U	1.5U
Carbon disulfide	1.6U	1.6U	1.6U	1.6U	1.6U	1.6U	1.6U	1.6U	1.6U	1.6U	1.6U	1.6U
Carbon tetrachloride	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
Chlorobenzene	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U
Chloroethane	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3U	1.3U	1.3U	1.3U
Chloroform	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.4	1.5	1.0U	1.0U
Chloromethane (Methyl chloride)	1.2	1.2	1.1	1.3	1.1	1.0U	1.3U	1.5	1.6	1.5	1.4	1.6
3-Chloropropene (allyl chloride)	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	1.6U	1.6U	1.6U	1.6U
2-Chlorotoluene (o-Chlorotoluene)	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Cyclohexane	0.7U	0.7U	0.7U	0.7U	2.5	2.0	0.7U	0.7U	0.7	0.7	1.2	1.2
Dibromochloromethane	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U	1.7U
1,2-Dibromoethane	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
1,2-Dichlorobenzene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U
1,3-Dichlorobenzene	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2	1.2U	1.2U	1.2U	1.2U	1.2U

Table 3

Duplicate Analyses for QA/QC Evaluation – Concentrations Given in µg/m^3

Sample ID	EOHSI-051	EOHSI-151	EOHSI-052	EOHSI-152	EOHSI-058	EOHSI-158	EOHSI-059	EOHSI-159	EOHSI-097N	EOHSI-197N	EOHSI-097E	EOHSI-197E
1,4-Dichlorobenzene	1.2U	1.2U	1.2U	1.2U	1.7	2.0	2.9	2.4	1.2U	1.2U	1.2U	1.2U
Dichlorodifluoromethane	2.8	3.0	2.9	2.7	2.6	2.5U	2.6U	2.6	5.9	5.9	6.4	6.4
1,1-Dichloroethane	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,2-Dichloroethane	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,1-Dichloroethene	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,2-Dichloroethene (cis)	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,2-Dichloroethene (trans)	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U	0.8U
1,2-Dichloropropane	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U
cis-1,3-Dichloropropene	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U
trans-1,3-Dichloropropene	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U
1,2-Dichlorotetrafluoroethane (Freon 114)	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
Ethylbenzene	0.9U	0.9U	1.1	1.1	1.0	1.2	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U
4-Ethyltoluene (p-Ethyltoluene)	1.0U	1.0U	1.3	1.2	1.8	2.2	1.0	1.0U	1.0U	1.0U	1.0U	1.0U
n-Heptane	0.8U	0.8U	1.1	1.1	3.4	3.6	1.8U	1.6	0.8U	0.8	1.1	1.2
Hexachlorobutadiene	2.1U	2.1U	2.1U	2.1U	2.1U	2.1U	2.1	2.1U	2.1U	2.1U	2.1U	2.1U
n-Hexane	0.7U	0.7U	1.8	1.4	3.9	3.9	2.9U	4.2	2.6	2.5	4.2	4.2
Methylene chloride	3.4	3.5	1.7U	1.7U	1.7U	1.7U	1.7U	4.9	1.7U	1.7U	1.7U	1.7U
4-Methyl-2-pentanone (MIBK)	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U	2.0U
MTBE (Methyl tert-butyl ether)	1.8U	1.8U	5.4	5.4	1.8U	1.8U	5.4	4.3	7.9	7.9	17.0	17.0
Styrene	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9	0.9U	0.9U	0.9U	0.9U
Tertiary butyl alcohol	15.0U	15.0U	15.0U	15.0U	15.0U	15.0U	15.0U	15.0U	15.0U	15.0U	15.0U	15.0U

Table 3

Duplicate Analyses for QA/QC Evaluation – Concentrations Given in µg/m^3

Sample ID (TBA)	EOHSI-051	EOHSI-151	EOHSI-052	EOHSI-152	EOHSI-058	EOHSI-158	EOHSI-059	EOHSI-159	EOHSI-097N	EOHSI-197N	EOHSI-097E	EOHSI-197E
1,1,2,2-Tetrachloroethane	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U	1.4U
Tetrachloroethene (PCE)	1.4U	3.3	1.4U	1.4U	1.4U	1.4U	1.4	1.4U	1.4U	1.4U	1.4U	1.4U
Toluene	7.2	7.9	8.3	8.3	6.0	6.4	8.7U	7.5	3.5	3.5	7.2	7.2
1,2,4-Trichlorobenzene	3.7U	3.7U	3.7U	3.7U	3.7U	3.7U	3.7U	3.7U	3.7U	3.7U	3.7U	3.7U
1,1,1-Trichloroethane	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.6	1.6	3.9	4.0
1,1,2-Trichloroethane	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	1.5U	6.1	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U
Trichloroethene (TCE)	1.1U	1.1U	1.1U	1.1U	1.1U	1.1U	1.1	1.1U	1.1U	1.1U	1.1U	1.1U
Trichlorofluoromethane (Freon 11)	1.9	1.9	2.5	2.4	1.7	1.2	2.0	1.9	1.9	1.9	2.5	2.6
1,2,4-Trimethylbenzene	1.0U	1.0U	1.7	1.8	2.3	2.8	1.1U	1.0	1.0U	1.0U	1.0U	1.0U
1,3,5-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
2,2,4-Trimethylpentane	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	0.9U	1.0	1.0
Vinyl chloride	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5	0.5U	0.5U	0.5U	0.5U	0.5U
Xylenes (m&p)	1.0	1.2	4.3	4.0	3.2	3.2	2.9	2.6	2.2U	2.2U	2.2U	2.2U
Xylenes (o)	0.9U	0.9U	1.5	1.6	1.3	1.3	1.0	0.9	0.9U	0.9U	0.9U	0.9U

U means concentration was below the detection limit

Table 4
Ratio of Paired Analyses for QA/QC Evaluation

	051/151	052/152	058/158	059/159	0097N/197N	097E/197E
Acetone (2-propanone)	1.0	*	2.0	1.1	1.0	1.0
Benzene	1.0	1.0	0.9	-	1.0	1.0
Bromodichloromethane	*	*	*	*	*	*
Bromoethene	*	*	*	*	*	*
Bromoform	*	*	*	*	*	*
Bromomethane (Methyl bromide)	*	*	*	*	*	*
1,3-Butadiene	*	*	*	*	*	*
2-Butanone (Methyl ethyl ketone)	-	1.0	-	-	*	*
Carbon disulfide	*	*	*	*	*	*
Carbon tetrachloride	*	*	*	*	*	*
Chlorobenzene	*	*	*	*	*	*
Chloroethane	*	*	*	*	*	*
Chloroform	*	*	*	-	0.9	*
Chloromethane (Methyl chloride)	1.0	0.8	-	-	1.1	0.9
3-Chloropropene (allyl chloride)	*	*	*	*	*	*
2-Chlorotoluene (o-Chlorotoluene)	*	*	*	*	*	*
Cyclohexane	*	*	1.3	*	1.0	1.0
Dibromochloromethane	*	*	*	*	*	*
1,2-Dibromoethane	*	*	*	*	*	*
1,2-Dichlorobenzene	*	*	*	*	*	*
1,3-Dichlorobenzene	*	*	*	-	*	*
1,4-Dichlorobenzene	*	*	0.9	1.2	*	*
Dichlorodifluoromethane	0.9	1.1	*	*	1.0	1.0
1,1-Dichloroethane	*	*	*	*	*	*
1,2-Dichloroethane	*	*	*	*	*	*
1,1-Dichloroethene	*	*	*	*	*	*

Table 4
Ratio of Paired Analyses for QA/QC Evaluation

	051/151	052/152	058/158	059/159	0097N/197N	097E/197E
1,2-Dichloroethene (cis)	*	*	*	*	*	*
1,2-Dichloroethene (trans)	*	*	*	*	*	*
1,2-Dichloropropane	*	*	*	*	*	*
cis-1,3-Dichloropropene	*	*	*	*	*	*
trans-1,3-Dichloropropene	*	*	*	*	*	*
1,2-Dichlorotetrafluoroethane (Freon 114)	*	*	*	*	*	*
Ethylbenzene	*	1.0	0.8	*	*	*
4-Ethyltoluene (p-Ethyltoluene)	*	1.1	0.8	*	*	*
n-Heptane	*	1.0	0.9	1.1	*	0.9
Hexachlorobutadiene	1.0	1.0	1.0	1.0	1.0	1.0
n-Hexane	1.0	1.3	1.0	0.7	1.0	1.0
Methylene chloride	1.0	*	*	-	*	*
4-Methyl-2-pentanone (MIBK)	*	*	*	*	*	*
MTBE (Methyl tert-butyl ether)	*	1.0	-	-	1.0	*
Styrene	*	*	*	-	*	*
Tertiary butyl alcohol (TBA)	*	*	*	*	*	*
1,1,2,2-Tetrachloroethane	*	*	*	*	*	*
Tetrachloroethene (PCE)	-	*	*	*	*	*
Toluene	0.9	1.0	0.9	-	1.0	1.0
1,2,4-Trichlorobenzene	*	*	*	*	*	*
1,1,1-Trichloroethane	*	*	*	*	1.0	1.0
1,1,2-Trichloroethane	*	*	*	*	*	*
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	-	*	*	*	*	*
Trichloroethene (TCE)	*	*	*	-	*	*
Trichlorofluoromethane (Freon 11)	1.0	1.0	1.4	1.1	1.0	1.0
1,2,4-Trimethylbenzene	*	0.9	0.8	-	*	*

Table 4
Ratio of Paired Analyses for QA/QC Evaluation

	051/151	052/152	058/158	059/159	0097N/197N	097E/197E
1,3,5-Trimethylbenzene	*	*	*	*	*	*
2,2,4-Trimethylpentane	*	*	*	*	*	1.0
Vinyl chloride	*	*	*	-	*	*
Xylenes (m&p)	0.8	1.1	1.0	1.1	*	*
Xylenes (o)	*	0.9	1.0	1.1	*	*

Note:

Greater than 30% difference

* both values were below detection limit

\- one of the values was below detection and the other was reported as measurable (if the measurable value was more the 30% above the detection limit the area was shaded)

Table 5
Summary Statistics of Concentrations Given in µg/m^3

Compound	n	# of above Detection Limit	MDL for samples (1 to 49)	MDL for samples (50 to 101)	Min	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile	Max	Mean*	SD
Acetone (2-propanone)	100	94	12	12	<12	21.8	34.5	55	91	190	2900	87.1	301
Benzene	100	76	1.6	0.64	<0.64	<1.6	1.80	3.28	10.0	13.1	42	4.07	5.94
Bromodichloromethane	100	0	3.4	1.3	<1.3	<1.3	<1.3	<3.4	<3.4	<3.4	<3.4		
Bromoethene	100	0	2.2	0.87	<0.87	<0.87	<0.87	<2.2	2.2	<2.2	<2.2		
Bromoform	100	0	5.2	2.1	<2.1	<2.1	<2.1	<5.2	<5.2	<5.2	<5.2		
Bromomethane (Methyl bromide)	100	0	1.9	0.78	<0.78	<0.78	<0.78	<1.9	<1.9	<1.9	<1.9		
1,3-Butadiene	100	7	1.1	0.44	<0.44	<1.1	<1.1	<1.1	<1.1	1.30	4.4		
2-Butanone (Methyl ethyl ketone)	100	84	1.5	1.5	<1.5	1.90	3.50	5.30	12.1	21.4	150	6.87	15.8
Carbon disulfide	100	3	1.6	1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	4.4		
Carbon tetrachloride	100	0	3.1	1.3	<1.3	<1.3	<1.3	<3.1	<3.1	<3.1	<3.1		
Chlorobenzene	100	0	2.3	0.92	<0.92	<0.92	<0.92	<2.3	<2.3	<2.3	<2.3		

Compound	n	# of above Detection Limit	MDL for samples (1 to 49)	MDL for samples (50 to 101)	Min	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile	Max	Mean*	SD
Chloroethane	100	0	1.3	0.53	<0.53	<0.53	<1.3	<1.3	<1.3	<1.3	1.3		
Chloroform	100	29	2.4	0.98	0.98	0.98	2.40	2.40	2.62	4.05	5.9	2.05	1.05
Chloromethane (Methyl chloride)	100	81	1	1	<1	1.10	1.40	1.70	2.00	2.10	6.2	1.49	0.63
3-Chloropropene (allyl chloride)	100	0	1.6	0.63	<0.63	<0.63	<1.6	<1.6	<1.6	<1.6	1.6		
2-Chlorotoluene (o-Chlorotoluene)	100	4	2.6	1	<1	<1	<1.3	<2.6	<2.6	<2.6	6.2		
Cyclohexane	100	48	1.7	0.69	<0.69	<0.80	1.70	1.93	4.53	6.92	52	2.90	6.40
Dibromochloromethane	100	0	4.3	1.7	<1.7	<1.7	<1.7	<4.3	<4.3	<4.3	4.3		
1,2-Dibromoethane	100	0	3.8	1.5	<1.5	<1.5	<1.5	<3.8	<3.8	<3.8	<3.8		
1,2-Dichlorobenzene	100	1	3.0	1.2	<1.2	<1.2	<1.2	<3.0<	<3.0	<3.0	16		
1,3-Dichlorobenzene	100	-	3.0	1.2	<1.2	<1.2	<1.2	<3.0	<3.0	<3.0	<3.0		
1,4-Dichlorobenzene	100	16	3	1.2	1.2	1.20	3.00	3.00	3.77	17.2	270	8.41	34.6
Dichlorodifluoromethane	100	88	2.5	2.5	2.5	2.78	3.30	4.30	9.56	27.5	160	7.73	18.8

Compound	n	# of above Detection Limit	MDL for samples (1 to 49)	MDL for samples (50 to 101)	Min	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile	Max	Mean*	SD
1,1-Dichloroethane	100	0	2	0.81	<0.81	<0.81	<0.81	<2.0	<2.0	<2.0	<2.0		
1,2-Dichloroethane	100	1	2	0.81	<0.81	<0.81	<0.81	<2.0	<2.0	<2.0	3.5	1.41	0.63
1,1-Dichloroethene	100	0	2	0.79	<0.79	<0.79	<0.79	<2.0	<2.0	<2.0	<2.0		
1,2-Dichloroethene (cis)	100	1	2	0.79	<0.79	<0.79	<0.79	<2.0	<2.0	<2.0	2.9	1.39	0.62
1,2-Dichloroethene (trans)	100	0	2	0.79	<0.79	<0.79	<0.79	<2.0	<2.0	<2.0	<2.0		
1,2-Dichloropropane	100	0	2.3	0.92	<0.92	<0.92	<0.92	<2.3	<2.3	<2.3	<2.3		
cis-1,3-Dichloropropene	100	0	2.3	0.91	<0.91	<0.91	<0.91	<2.3	<2.3	<2.3	<2.3		
trans-1,3-Dichloropropene	100	0	2.3	0.91	<0.91	<0.91	<0.91	<2.3	<2.3	<2.3	<2.3		
1,2-Dichlorotetrafluoroethane (Freon 114)	100	1	3.5	1.4	<1.4	<1.4	<2.5	<3.5	<3.5	<3.5	20		
Ethylbenzene	100	56	2.2	0.87	<0.87	<1.2	2.20	2.75	9.64	12.0	39	3.72	5.39
4-Ethyltoluene (p-Ethyltoluene)	100	46	2.5	0.98	<0.98	<1.2	<2.5	2.80	8.40	11.2	29	3.70	4.86
n-Heptane	100	68	2	0.82	<0.82	<1.9	2.00	4.60	9.40	15.1	49	4.43	6.14

Compound	n	# of above Detection Limit	MDL for samples (1 to 49)	MDL for samples (50 to 101)	Min	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile	Max	Mean*	SD
Hexachlorobutadiene	100	0	5.3	2.1	<2.1	<2.1	<2.1	<5.3	<5.3	<5.3	<5.3		
n-Hexane	100	75	1.8	0.7	<0.7	<1.8	2.80	5.08	16.20	20.2	270	8.42	27.5
Methylene chloride	100	41	1.7	1.7	<1.7	<1.7	<1.7	3.23	6.74	16.1	94	5.28	13.7
4-Methyl-2-pentanone (MIBK)	100	10	2	2	<2.0	<2.0	<2.0	<2.0	<2.0	3.12	9.8		
MTBE (Methyl tert-butyl ether)	100	66	1.8	1.8	<1.8	<1.8	3.45	10.5	40.7	72.0	470	19.3	55.7
Styrene	100	19	2.1	0.85	<0.85	<0.85	<2.1	<2.1	<2.1	2.11	5.1		
Tertiary butyl alcohol (TBA)	100		15	15	<15	<15	<15	<15	<15	<15	15		
1,1,2,2-Tetrachloroethane	100	0	3.4	1.4	<1.4	<1.4	<1.4	<3.4	<3.4	<3.4	<3.4		
Tetrachloroethene (PCE)	100	23	3.4	1.4	<1.4	<1.4	<3.4	<3.4	4.39	9.53	540		
Toluene	100	100	1.9	0.75	2.6	6.80	13.0	30.0	60.8	90.2	160	25.1	31.1
1,2,4-Trichlorobenzene	100	0	3.7	3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7		
1,1,1-Trichloroethane	100	21	2.7	1.1	<1.1	<1.1	<2.7	<2.7	2.81	5.11	9.3		

Compound	n	# of above Detection Limit	MDL for samples (1 to 49)	MDL for samples (50 to 101)	Min	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile	Max	Mean*	SD
1,1,2-Trichloroethane	100	0	2.7	1.1	<1.1	<1.1	<2.7	<2.7	<2.7	<2.7	<2.7		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	100	2	3.8	1.5	<1.5	<1.5	<1.9	<3.8	<3.8	<3.8	2.1		
Trichloroethene (TCE)	100	8	2.7	1.1	<1.1	<1.1	<2.7	<2.7	<2.7	2.74	13		
Trichlorofluoromethane (Freon 11)	100	76	2.8	1.1	<1.1	2.10	2.80	4.25	6.25	13.2	62	4.73	7.51
1,2,4-Trimethylbenzene	100	57	2.5	0.98	<0.98	1.68	2.50	4.20	9.82	13.1	35	4.28	5.46
1,3,5-Trimethylbenzene	100	23	2.5	0.98	<0.98	<0.98	<2.50	<2.50	2.63	4.43	11		
2,2,4-Trimethylpentane	100	27	2.3	0.93	<0.93	<0.93	<2.3	<2.3	7.00	11.1	140		
Vinyl chloride	100		1.3	0.51	<0.51	<0.51	<0.51	<1.3	<1.3	<1.3	<1.3		
Xylenes (m&p)	100	83	2.2	0.87	<0.87	2.48	3.80	7.80	30.2	41.1	91	10.2	16.2
Xylenes (o)	100	55	2.2	0.87	<0.87	1.40	2.20	2.65	11.1	13.1	38	3.92	5.75

*Mean values calculated using the MDL value. Mean and standard deviations only calculated when at least half of the samples were above detection.

Table 6
Compounds that were never or rarely detected

Never Detected

Bromodichloromethane

Bromoethene

Bromoform

Bromomethane (Methyl bromide)

Carbon tetrachloride

Chlorobenzene

Chloroethane

3-Chloropropene (allyl chloride)

Dibromochloromethane

1,2-Dibromoethane

1,3-Dichlorobenzene

1,1-Dichloroethane

1,1-Dichloroethene

1,2-Dichloroethene (trans)

1,2-Dichloropropane

cis-1,3-Dichloropropene

trans-1,3-Dichloropropene

1,2-Dichlorotetrafluoroethane (Freon 114)

Hexachlorobutadiene

Tertiary butyl alcohol (TBA)

1,1,2,2-Tetrachloroethane

1,2,4-Trichlorobenzene

1,1,2-Trichloroethane

Vinyl chloride

Detected in Only One Sample

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloroethene (cis)

1,2-Dichlorotetrafluoroethane (Freon 114)

Detected in Only Two Samples

Carbon disulfide

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)

Detected in Only Three Samples

2-Chlorotoluene (o-Chlorotoluene)

Table 7
Pearson Correlation Coefficients for Compounds with >10% Samples at Detectable Levels

Pearson Correlation		Sig. (2-tailed)						
		Acetone	Benzene	2-Butanone	Chloroform	Chloromethane	Cyclohexane	1,4-Dichloro-benzene
Acetone (2-propanone)		1.000						
Benzene	R	-0.038	1.000					
	Sig.	0.710						
2-Butanone (Methyl ethyl ketone)	R	0.174	0.068	1.000				
	Sig.	0.083	0.504					
Chloroform	R	0.049	-0.028	-0.063	1.000			
	Sig.	0.626	0.781	0.536				
Chloromethane (Methyl chloride)	R	0.033	0.010	-0.050	-0.020	1.000		
	Sig.	0.746	0.922	0.618	0.842			
Cyclohexane	R	0.083	0.556	0.048	0.053	-0.041	1.000	
	Sig.	0.414	<.001	0.632	0.600	0.684		
1,4-Dichloro-Benzene	R	-0.027	-0.033	-0.038	-0.059	0.009	-0.032	1.000
	Sig.	0.789	0.745	0.705	0.559	0.932	0.755	
Dichlorodifluoro-Methane	R	-0.037	0.008	-0.053	0.115	-0.052	0.013	0.009
	Sig.	0.713	0.937	0.600	0.256	0.609	0.897	0.929
Ethylbenzene	R	-0.013	0.822	0.085	0.057	0.003	0.404	-0.037
	Sig.	0.901	<.001	0.398	0.570	0.976	<.001	0.716
4-Ethyltoluene (p-Ethyltoluene)	R	-0.009	0.719	0.105	0.087	0.029	0.358	-0.043
	Sig.	0.930	<.001	0.298	0.391	0.774	<.001	0.668
n-Heptane	R	-0.028	0.516	0.006	0.010	0.021	0.303	-0.058
	Sig.	0.778	<.001	0.950	0.925	0.834	0.002	0.565
n-Hexane	R	-0.015	0.814	0.111	-0.081	-0.081	0.631	-0.028
	Sig.	0.882	<.001	0.270	0.423	0.425	<.001	0.780
Methylene Chloride	R	-0.027	0.142	-0.020	-0.037	0.069	-0.002	0.483
	Sig.	0.787	0.158	0.845	0.716	0.497	0.988	<.001
Methyl tert-butyl Ether (MTBE)	R	-0.015	0.872	0.128	-0.024	-0.031	0.605	-0.038
	Sig.	0.882	<.001	0.204	0.814	0.763	<.001	0.704
Styrene	R	0.184	-0.041	0.151	0.288	-0.065	0.042	-0.042
	Sig.	0.066	0.685	0.134	0.004	0.518	0.677	0.678
Tetrachloroethene (PCE)	R	0.002	-0.014	-0.024	-0.009	-0.047	-0.033	-0.021
	Sig.	0.987	0.889	0.816	0.930	0.639	0.742	0.837
Toluene	R	0.067	0.867	0.159	0.038	0.054	0.503	-0.017
	Sig.	0.506	<.001	0.115	0.708	0.592	<.001	0.867
1,1,1-Trichloro-Ethane	R	0.024	0.013	-0.062	0.047	-0.129	0.021	0.378
	Sig.	0.815	0.899	0.537	0.642	0.201	0.835	<.001
Trichlorofluoro-Methane(Freon 11)	R	-0.019	-0.025	0.016	0.022	0.048	-0.034	-0.034
	Sig.	0.850	0.808	0.877	0.832	0.633	0.740	0.736
1,2,4-Trimethyl-Benzene	R	0.014	0.693	0.137	0.090	0.047	0.371	-0.041
	Sig.	0.890	<.001	0.173	0.372	0.643	<.001	0.682
1,3,5-Trimethyl-Benzene	R	0.045	0.569	0.114	0.214	-0.034	0.300	-0.045
	Sig.	0.656	<.001	0.257	0.033	0.736	0.002	0.655
2,2,4-Trimethyl Pentane	R	0.007	0.285	0.019	-0.056	-0.024	0.129	-0.028
	Sig.	0.946	0.004	0.851	0.580	0.816	0.200	0.783
m&p Xylenes	R	-0.015	0.794	0.082	0.036	0.047	0.388	-0.042
	Sig.	0.879	<.001	0.420	0.723	0.643	<.001	0.679
o Xylene	R	-0.009	0.739	0.075	0.064	0.032	0.342	-0.034
	Sig.	0.927	<.001	0.455	0.525	0.753	0.001	0.735

Table 7 (continued)
Pearson Correlation Coefficients for Compounds with >10% Samples at Detectable Levels

Pearson Correlation	Sig. (2-tailed)	Dichloro-difluor-omethane	Ethyl-benzene	4-Ethyltoluene	n-Heptane	n-Hexane	Methylene chloride	MTBE	Styr-ene
Acetone (2-propanone)									
Benzene	R								
	Sig.								
2-Butanone (Methyl ethyl ketone)	R								
	Sig.								
Chloroform	R								
	Sig.								
Chloromethane (Methyl chloride)	R								
	Sig.								
Cyclohexane	R								
	Sig.								
1,4-Dichloro-Benzene	R								
	Sig.								
Dichlorodifluoro-Methane	R	1.000							
	Sig.								
Ethylbenzene	R	0.020	1.000						
	Sig.	0.842							
4-Ethyltoluene (p-Ethyltoluene)	R	0.032	0.926	1.000					
	Sig.	0.750	<.001						
n-Heptane	R	-0.027	0.513	0.572	1.000				
	Sig.	0.789	<.001	<.001					
n-Hexane	R	-0.011	0.508	0.405	0.347	1.000			
	Sig.	0.917	<.001	<.001	<.001				
Methylene Chloride	R	0.084	0.214	0.371	0.080	0.013	1.000		
	Sig.	0.408	0.032	<.001	0.430	0.901			
Methyl tert-butyl Ether (MTBE)	R	-0.016	0.777	0.679	0.438	0.898	0.119	1.000	
	Sig.	0.872	<.001	<.001	<.001	<.001	0.237		
Styrene	R	0.069	0.090	0.117	0.022	-0.082	0.005	-0.055	1.000
	Sig.	0.496	0.373	0.246	0.831	0.419	0.962	0.585	
Tetrachloroethene (PCE)	R	-0.029	-0.031	-0.048	-0.048	-0.022	-0.022	-0.018	-0.066
	Sig.	0.775	0.759	0.638	0.636	0.825	0.826	0.857	0.515
Toluene	R	-0.015	0.900	0.825	0.509	0.614	0.224	0.805	0.149
	Sig.	0.885	<.001	<.001	<.001	<.001	0.025	<.001	0.139
1,1,1-Trichloro-Ethane	R	0.111	0.090	0.086	-0.029	-0.052	0.389	-0.004	0.250
	Sig.	0.271	0.372	0.394	0.773	0.607	<.001	0.971	0.012
Trichlorofluoro-Methane(Freon 11)	R	0.707	0.043	0.046	-0.017	-0.048	0.012	-0.012	0.171
	Sig.	<.001	0.673	0.651	0.866	0.634	0.907	0.908	0.088
1,2,4-Trimethyl-Benzene	R	0.022	0.895	0.984	0.530	0.398	0.380	0.662	0.137
	Sig.	0.826	<.001	<.001	<.001	<.001	<.001	<.001	0.174
1,3,5-Trimethyl-Benzene	R	0.064	0.849	0.904	0.520	0.314	0.287	0.577	0.342
	Sig.	0.525	<.001	<.001	<.001	0.001	0.004	<.001	<.001
2,2,4-Trimethyl Pentane	R	-0.020	0.412	0.340	0.204	0.172	0.022	0.320	-0.047
	Sig.	0.842	<.001	0.001	0.042	0.087	0.826	0.001	0.640
m&p Xylenes	R	0.006	0.965	0.938	0.499	0.435	0.278	0.703	0.054
	Sig.	0.951	<.001	<.001	<.001	<.001	0.005	<.001	0.595
o Xylene	R	0.024	0.975	0.956	0.494	0.370	0.267	0.670	0.105
	Sig.	0.810	<.001	<.001	<.001	<.001	0.007	<.001	0.298

Table 7 (continued)
Pearson Correlation Coefficients for Compounds with >10% Samples at Detectable Levels

Pearson Correlation	Sig. (2-tailed)	Tetra-chloro-ethene	Toluene	1,1,1-Tri-chloro-ethane	Trichloro-fluoro-methane	1,2,4-Tri-methyl-benzene	1,3,5-Tri-methyl-benzene	2,2,4-Tri-methyl-pentane	*m&p* Xylenes	*o* Xylene
Acetone (2-propanone)										
Benzene	R									
	Sig.									
2-Butanone	R									
(Methyl ethyl ketone)	Sig.									
Chloroform	R									
	Sig.									
Chloromethane	R									
(Methyl chloride)	Sig.									
Cyclohexane	R									
	Sig.									
1,4-Dichlorobenzene	R									
	Sig.									
Dichlorodifluoromethane	R									
	Sig.									
Ethylbenzene	R									
	Sig.									
4-Ethyltoluene	R									
(p-Ethyltoluene)	Sig.									
n-Heptane	R									
	Sig.									
n-Hexane	R									
	Sig.									
Methylene chloride	R									
	Sig.									
Methyl tert-butyl ether	R									
(MTBE)	Sig.									
Styrene	R									
	Sig.									
Tetrachloroethene	R	1.000								
(PCE)	Sig.									
Toluene	R	-0.030	1.000							
	Sig.	0.765								
1,1,1-Trichloroethane	R	-0.068	0.075	1.000						
	Sig.	0.499	0.461							
Trichlorofluoromethane	R	-0.043	0.038	0.158	1.000					
(Freon 11)	Sig.	0.672	0.710	0.117						
1,2,4-Trimethylbenzene	R	-0.051	0.825	0.056	0.033	1.000				
	Sig.	0.614	<.001	0.578	0.745					
1,3,5-Trimethylbenzene	R	-0.061	0.699	0.152	0.098	0.881	1.000			
	Sig.	0.546	<.001	0.130	0.331	<.001				
2,2,4-Trimethylpentane	R	-0.024	0.339	0.070	-0.004	0.331	0.289	1.000		
	Sig.	0.816	0.001	0.491	0.966	0.001	0.003			
m&p Xylenes	R	-0.029	0.909	0.075	0.030	0.927	0.809	0.368	1.000	
	Sig.	0.774	<.001	0.455	0.768	<.001	<.001	<.001		
o Xylene	R	-0.033	0.874	0.096	0.056	0.938	0.863	0.384	0.985	1.000
	Sig.	0.742	<.001	0.341	0.578	<.001	<.001	<.001	<.001	

Table 8
Spearman Correlation Coefficients for Compounds with >10% Samples at Detectable Levels

Correlations		Spearman's rho	Sig. (2-tailed)					
		Acetone	Benzene	2-Butanone	Chloroform	Chloromethane	Cyclohexane	1,4-Dichloro-benzene
Acetone (2-propanone)		1.000						
		.						
Benzene	R	0.130	1.000					
	Sig.	0.197	.					
2-Butanone (Methyl ethyl ketone)	R	0.536	0.133	1.000				
	Sig.	<.001	0.189	.				
Chloroform	R	0.346	0.091	0.233	1.000			
	Sig.	<.001	0.368	0.020	.			
Chloromethane (Methyl chloride)	R	0.137	0.127	0.121	-0.025	1.000		
	Sig.	0.174	0.209	0.231	0.806	.		
Cyclohexane	R	0.287	0.562	0.296	0.480	-0.051	1.000	
	Sig.	0.004	<.001	0.003	<.001	0.612	.	
1,4-Dichloro-Benzene	R	0.246	0.081	0.251	0.580	-0.053	0.412	1.000
	Sig.	0.014	0.426	0.012	<.001	0.601	<.001	.
Dichlorodifluoro-Methane	R	-0.147	0.104	-0.182	-0.002	0.103	0.133	0.121
	Sig.	0.146	0.305	0.071	0.988	0.308	0.187	0.232
Ethylbenzene	R	0.383	0.647	0.382	0.455	-0.117	0.824	0.410
	Sig.	<.001	<.001	<.001	<.001	0.247	<.001	<.001
4-Ethyltoluene (p-Ethyltoluene)	R	0.349	0.547	0.409	0.342	-0.140	0.770	0.334
	Sig.	<.001	<.001	<.001	0.001	0.164	<.001	0.001
n-Heptane	R	0.392	0.616	0.397	0.296	0.103	0.760	0.224
	Sig.	<.001	<.001	<.001	0.003	0.306	<.001	0.025
n-Hexane	R	0.176	0.777	0.223	0.061	0.073	0.654	0.107
	Sig.	0.080	<.001	0.026	0.543	0.469	<.001	0.289
Methylene Chloride	R	0.110	0.175	0.166	0.040	0.133	0.229	0.279
	Sig.	0.275	0.082	0.100	0.694	0.188	0.022	0.005
Methyl tert-butyl Ether (MTBE)	R	0.172	0.674	0.116	-0.014	-0.086	0.464	-0.029
	Sig.	0.087	<.001	0.251	0.892	0.394	<.001	0.773
Styrene	R	0.297	-0.005	0.388	0.619	-0.134	0.533	0.686
	Sig.	0.003	0.963	<.001	<.001	0.184	<.001	<.001
Tetrachloroethene (PCE)	R	0.256	0.063	0.244	0.547	-0.075	0.422	0.659
	Sig.	0.010	0.534	0.015	<.001	0.458	<.001	<.001
Toluene	R	0.512	0.625	0.535	0.174	0.027	0.574	0.190
	Sig.	<.001	<.001	<.001	0.083	0.792	<.001	0.058
1,1,1-Trichloro-Ethane	R	0.236	0.139	0.178	0.341	-0.118	0.478	0.548
	Sig.	0.018	0.167	0.076	0.001	0.242	<.001	<.001
Trichlorofluoro-	R	0.160	0.069	0.238	0.196	-0.013	0.246	0.372
Methane(Freon 11)	Sig.	0.112	0.493	0.017	0.051	0.896	0.013	<.001
1,2,4-Trimethyl-Benzene	R	0.389	0.556	0.425	0.267	-0.097	0.733	0.256
	Sig.	<.001	<.001	<.001	0.007	0.335	<.001	0.010
1,3,5-Trimethyl-Benzene	R	0.285	0.325	0.375	0.496	-0.208	0.706	0.499
	Sig.	0.004	0.001	<.001	<.001	0.038	<.001	<.001
2,2,4-Trimethyl Pentane	R	0.322	0.537	0.330	0.392	-0.141	0.775	0.457
	Sig.	0.001	<.001	0.001	<.001	0.162	<.001	<.001
m&p Xylenes	R	0.310	0.711	0.354	0.129	0.028	0.570	0.095
	Sig.	0.002	<.001	<.001	0.202	0.780	<.001	0.348
o Xylene	R	0.396	0.622	0.396	0.378	-0.128	0.803	0.392
	Sig.	<.001	<.001	<.001	<.001	0.203	<.001	<.001

Table 8 (continued)
Spearman Correlation Coefficients for Compounds with >10% Samples at Detectable Levels

Correlations		Spearman's rho	Sig.	(2-tailed)					
		Dichlorod-ifluoro-methane	Ethyl-benzene	4-Ethylt-oluene	n-Heptane	n-Hexane	Methylene chloride	MTBE	Sty-rene
Acetone (2-propanone)									
Benzene	R								
	Sig.								
2-Butanone (Methyl ethyl ketone)	R								
	Sig.								
Chloroform	R								
	Sig.								
Chloromethane (Methyl chloride)	R								
	Sig.								
Cyclohexane	R								
	Sig.								
1,4-Dichloro-Benzene	R								
	Sig.								
Dichlorodifluoro-Methane	R	1.000							
	Sig.	.							
Ethylbenzene	R	0.054	1.000						
	Sig.	0.591	.						
4-Ethyltoluene (p-Ethyltoluene)	R	-0.025	0.831	1.000					
	Sig.	0.805	<.001	.					
n-Heptane	R	0.010	0.771	0.729	1.000				
	Sig.	0.924	<.001	<.001	.				
n-Hexane	R	0.089	0.676	0.601	0.657	1.000			
	Sig.	0.377	<.001	<.001	<.001	.			
Methylene Chloride	R	0.335	0.278	0.220	0.338	0.182	1.000		
	Sig.	0.001	0.005	0.028	0.001	0.069	.		
Methyl tert-butyl Ether (MTBE)	R	0.040	0.583	0.515	0.574	0.768	0.264	1.000	
	Sig.	0.689	<.001	<.001	<.001	<.001	0.008	.	
Styrene	R	0.098	0.484	0.438	0.334	0.111	0.216	-0.038	1.000
	Sig.	0.333	<.001	<.001	0.001	0.271	0.031	0.707	.
Tetrachloroethene (PCE)	R	0.117	0.425	0.365	0.252	0.141	0.209	0.080	0.723
	Sig.	0.248	<.001	<.001	0.011	0.162	0.037	0.428	<.001
Toluene	R	-0.039	0.705	0.630	0.658	0.644	0.311	0.669	0.258
	Sig.	0.703	<.001	<.001	<.001	<.001	0.002	<.001	0.010
1,1,1-Trichloro-Ethane	R	0.319	0.480	0.434	0.280	0.247	0.314	0.140	0.556
	Sig.	0.001	<.001	<.001	0.005	0.013	0.001	0.164	<.001
Trichlorofluoro-	R	0.407	0.319	0.229	0.187	0.076	0.429	-0.008	0.469
Methane(Freon 11)	Sig.	<.001	0.001	0.022	0.062	0.453	<.001	0.938	<.001
1,2,4-Trimethyl-Benzene	R	-0.068	0.809	0.937	0.742	0.619	0.192	0.520	0.404
	Sig.	0.502	<.001	<.001	<.001	<.001	0.055	<.001	<.001
1,3,5-Trimethyl-Benzene	R	-0.017	0.758	0.833	0.573	0.378	0.204	0.291	0.639
	Sig.	0.866	<.001	<.001	<.001	<.001	0.042	0.003	<.001
2,2,4-Trimethyl Pentane	R	0.179	0.858	0.765	0.639	0.576	0.314	0.500	0.503
	Sig.	0.075	<.001	<.001	<.001	<.001	0.001	<.001	<.001
m&p Xylenes	R	-0.059	0.752	0.612	0.698	0.723	0.221	0.745	0.148
	Sig.	0.562	<.001	<.001	<.001	<.001	0.027	<.001	0.143
o Xylene	R	0.038	0.957	0.875	0.772	0.673	0.270	0.618	0.490
	Sig.	0.708	<.001	<.001	<.001	<.001	0.007	<.001	<.001

Table 8 (continued)
Spearman Correlation Coefficients for Compounds with >10% Samples at Detectable Levels

Correlations		Spearman's rho		Sig. (2-tailed)						
		Tetra-chloro-ethene	Tolu-ene	1,1,1-Trichloro-ethane	Trichloro-fluoro-methane	1,2,4-Tri-methyl-benzene	1,3,5-Tri-methyl-benzene	2,2,4-Tri-methyl-pentane	*m&p* Xylenes	*o* Xylene
Acetone (2-propanone)										
Benzene	R									
	Sig.									
2-Butanone (Methyl ethyl ketone)	R									
	Sig.									
Chloroform	R									
	Sig.									
Chloromethane (Methyl chloride)	R									
	Sig.									
Cyclohexane	R									
	Sig.									
1,4-Dichloro-Benzene	R									
	Sig.									
Dichlorodifluoro-Methane	R									
	Sig.									
Ethylbenzene	R									
	Sig.									
4-Ethyltoluene (p-Ethyltoluene)	R									
	Sig.									
n-Heptane	R									
	Sig.									
n-Hexane	R									
	Sig.									
Methylene Chloride	R									
	Sig.									
Methyl tert-butyl Ether (MTBE)	R									
	Sig.									
Styrene	R									
	Sig.									
Tetrachloroethene (PCE)	R	1.000								
	Sig.	.								
Toluene	R	0.246	1.000							
	Sig.	0.013	.							
1,1,1-Trichloro-Ethane	R	0.622	0.228	1.000						
	Sig.	<.001	0.023	.						
Trichlorofluoro-Methane(Freon 11)	R	0.300	0.110	0.542	1.000					
	Sig.	0.002	0.278	<.001	.					
1,2,4-Trimethyl-Benzene	R	0.282	0.665	0.378	0.212	1.000				
	Sig.	0.005	<.001	<.001	0.034	.				
1,3,5-Trimethyl-Benzene	R	0.546	0.447	0.471	0.308	0.748	1.000			
	Sig.	<.001	<.001	<.001	0.002	<.001	.			
2,2,4-Trimethyl Pentane	R	0.518	0.584	0.617	0.419	0.712	0.735	1.000		
	Sig.	<.001	<.001	<.001	<.001	<.001	<.001	.		
m&p Xylenes	R	0.189	0.799	0.188	0.045	0.667	0.396	0.544	1.000	
	Sig.	0.060	<.001	0.061	0.657	<.001	<.001	<.001	.	
o Xylene	R	0.444	0.729	0.474	0.295	0.855	0.760	0.842	0.772	1.000
	Sig.	<.001	<.001	<.001	0.003	<.001	<.001	<.001	<.001	.

Table 9
Factors included in the Seven Selected Factors Using SPSS Default Parameters

	Component						
	1	2	3	4	5	6	7
Acetone					.555		
Benzene	.874						
2-Butanone						.630	
Chloroform						-.630	
Cyclohexane	.526						
1,4-Dichlorobenzene			-.669				
Dichlorodifluoromethane				.602			
Ethyl Benzene	.965						
4-Ethyltoluene	.944						
n-Heptane	.597						
n-Hexane	.627						
Methylene chloride		.515	-.588				
Methyl tert-butyl ether	.844						
Tetrachloroethene							.958
Toluene	.934						
Trichlorofluoromethane		.509	.514	.529			
1,2,4-Trimethylbenzene	.928						
2,2,4-Trimethylpentane							
Xylenes (m&p)	.950						
Xylenes (o)	.941						
Styrene							
1,1,1-Trichloroethylene		.596					
1,3,5-Trimethylbenzene	.848						

Extraction Method: Principal Component Analysis.
a 7 components extracted.

Table 10
Factors included in the Seven Selected Factors After Varimax Roation

Rotated Component Matrix(a)

	Component						
	1	2	3	4	5	6	7
Acetone						.679	
Benzene	.670	.660					
2-Butanone						.776	
Chloroform					.814		
Cyclohexane		.787					
1,4-Dichlorobenzene			.823				
Dichlorodifluoromethane				.909			
Ethyl Benzene	.932						
4-Ethyltoluene	.963						
n-Heptane	.567						
n-Hexane		.895					
Methylene chloride			.777				
Methyl tert-butyl ether	.603	.731					
Tetrachloroethene							.972
Toluene	.815						
Trichlorofluoromethane				.926			
1,2,4-Trimethylbenzene	.946						
2,2,4-Trimethylpentane							
Xylenes (m&p)	.946						
Xylenes (o)	.967						
Styrene					.670		
1,1,1-Trichloroethylene			.724				
1,3,5-Trimethylbenzene	.881						

Extraction Method: Principal Component Analysis.
Rotation Method: Varimax with Kaiser Normalization.
a Rotation converged in 6 iterations.

Table 11
Mean Values and t-test Results Based on Mobile Source Questions

Group Statistics

Garage Attached		N	Mean	Std. Deviation	Std. Error Mean
Benzene	0	36	2.08	1.71	0.28
	1	61	5.33	7.22	0.92
Cyclohexane	0	36	2.88	8.45	1.41
	1	61	3.01	5.07	0.65
Ethylbenzene	0	36	2.03	1.42	0.24
	1	61	4.70	6.58	0.84
n-Hexane	0	36	3.06	3.81	0.64
	1	61	11.80	34.74	4.45
MTBE (Methyl *tert*-butyl ether)	0	36	3.88	6.95	1.16
	1	61	29.10	69.54	8.90
Toluene	0	36	14.18	14.86	2.48
	1	61	31.99	36.52	4.68
1,2,4-Trimethylbenzene	0	36	2.47	1.57	0.26
	1	61	5.22	6.60	0.85
Xylenes (m&p)	0	36	4.44	5.61	0.93
	1	61	13.46	19.15	2.45
Xylenes (o)	0	36	2.12	1.80	0.30
	1	61	4.92	6.94	0.89

Table 11 (continued)
Mean Values and t-test Results Based on Mobile Source Questions

Independent Samples Test

	Levene's Test for Equality of Variances			t-test for Equality of Means (2-tailed)						
		F	Sig.	t	df	Sig.	Mean Difference	Std. Error Difference	95% CI of Difference	
	Equal variances assumed?								Lower	Upper
Benzene	Yes	15.12	0.00	2.65	95	**0.009**	-3.25	1.23	-5.69	-0.82
	No			3.36	71	**0.001**	-3.25	0.97	-5.18	-1.32
Cyclohexane	Yes	0.08	0.78	0.09	95	0.926	-0.13	1.37	-2.85	2.59
	No			0.08	50	0.935	-0.13	1.55	-3.24	2.99
Ethylbenzene	Yes	15.07	0.00	2.40	95	**0.018**	-2.67	1.11	-4.88	-0.46
	No			3.05	69	**0.003**	-2.67	0.87	-4.41	-0.93
n-Hexane	Yes	3.95	0.05	1.50	95	0.137	-8.74	5.82	20.30	2.82
	No			1.95	62	**0.056**	-8.74	4.49	17.72	0.24
Methyl tert-butyl	Yes	9.86	0.00	2.16	95	**0.033**	-25.22	11.65	48.34	-2.09
ether (MTBE)	No			2.81	62	**0.007**	-25.22	8.98	43.16	-7.27
Toluene	Yes	12.99	0.00	2.79	95	**0.006**	-17.80	6.39	30.48	-5.12
	No			3.37	87	**0.001**	-17.80	5.29	28.32	-7.29
1,2,4-Trimethyl	Yes	15.03	0.00	2.45	95	**0.016**	-2.75	1.12	-4.97	-0.52
benzene	No			3.11	71	**0.003**	-2.75	0.88	-4.51	-0.98
***m&p* Xylenes**	Yes	18.03	0.00	2.75	95	**0.007**	-9.02	3.28	15.52	-2.51
	No			3.44	76	**0.001**	-9.02	2.62	14.24	-3.79
***o* Xylenes**	Yes	14.83	0.00	2.37	95	**0.020**	-2.80	1.18	-5.14	-0.45
	No			2.98	73	**0.004**	-2.80	0.94	-4.67	-0.93

Bold are statistically significant at p<.05

Table 12 a-g
Univariate Analysis of Aromatic and Aliphatic Compounds
with Suspected Mobile Sources

Between-Subjects Factors

		N
Location Garage	1	35
	2	2
	3	10
	4	50
Doorway Garage House	0	39
	1	58
Car in Garage	0	50
	1	47
Age of Home	1	1
	5	12
	15	19
	25	15
	40	17
	50	18
	75	11
	100	4

BENZENE

Tests of Between-Subjects Effects

Dependent Variable: Benzene

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1183.429[a]	23	51.453	4.790	.000
Intercept	1098.745	1	1098.745	102.279	.000
LocationGarage	407.711	3	135.904	12.651	.000
DoorwayGarage	101.570	1	101.570	9.455	.003
AgeHome	329.006	7	47.001	4.375	.000
LocationGarage * DoorwayGarage	32.156	1	32.156	2.993	.088
LocationGarage * AgeHome	370.367	6	61.728	5.746	.000
DoorwayGarage * AgeHome	9.056	1	9.056	.843	.362
LocationGarage * DoorwayGarage * AgeHome	.000	0	.	.	.
Error	784.212	73	10.743		
Total	3239.999	97			
Corrected Total	1967.641	96			

a. R Squared = .601 (Adjusted R Squared = .476)

CYCLOHEXANE

Tests of Between-Subjects Effects

Dependent Variable: Cyclohexane

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	587.321[a]	30	19.577	.584	.947
Intercept	89.642	1	89.642	2.676	.107
MDLChange	46.803	1	46.803	1.397	.241
LocationGarage	104.573	3	34.858	1.040	.381
DoorwayGarage	15.063	1	15.063	.450	.505
CarIn	3.296	1	3.296	.098	.755
AgeHome	78.302	7	11.186	.334	.936
LocationGarage * DoorwayGarage	.000	0	.	.	.
LocationGarage * CarIn	1.380	1	1.380	.041	.840
DoorwayGarage * CarIn	.000	0	.	.	.
LocationGarage * DoorwayGarage * CarIn	.000	0	.	.	.
LocationGarage * AgeHome	58.633	5	11.727	.350	.880
DoorwayGarage * AgeHome	.000	0	.	.	.
LocationGarage * DoorwayGarage * AgeHome	.000	0	.	.	.
CarIn * AgeHome	11.451	3	3.817	.114	.952
LocationGarage * CarIn * AgeHome	.015	1	.015	.000	.983
DoorwayGarage * CarIn * AgeHome	.000	0	.	.	.
LocationGarage * DoorwayGarage * CarIn * AgeHome	.000	0	.	.	.
Error	2211.178	66	33.503		
Total	3426.084	97			
Corrected Total	2798.499	96			

a. R Squared = .210 (Adjusted R Squared = -.149)

ETHYL BENZENE

Tests of Between-Subjects Effects

Dependent Variable: Ethylbenzene

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2024.587[a]	24	84.358	12.788	.000
Intercept	790.739	1	790.739	119.871	.000
MDLChange	14.065	1	14.065	2.132	.149
LocationGarage	622.566	3	207.522	31.459	.000
DoorwayGarage	70.035	1	70.035	10.617	.002
AgeHome	677.346	7	96.764	14.669	.000
LocationGarage * DoorwayGarage	17.725	1	17.725	2.687	.106
LocationGarage * AgeHome	816.589	6	136.098	20.632	.000
DoorwayGarage * AgeHome	26.423	1	26.423	4.006	.049
LocationGarage * DoorwayGarage * AgeHome	.000	0	.	.	.
Error	474.954	72	6.597		
Total	3678.569	97			
Corrected Total	2499.541	96			

a. R Squared = .810 (Adjusted R Squared = .747)

HEXANE

Tests of Between-Subjects Effects

Dependent Variable: n-Hexane

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2927.521[a]	23	127.284	3.558	.000
Intercept	2461.871	1	2461.871	68.809	.000
LocationGarage	755.470	3	251.823	7.038	.000
DoorwayGarage	253.946	1	253.946	7.098	.009
AgeHome	822.435	7	117.491	3.284	.004
LocationGarage * DoorwayGarage	58.104	1	58.104	1.624	.207
LocationGarage * AgeHome	1117.075	6	186.179	5.204	.000
DoorwayGarage * AgeHome	10.482	1	10.482	.293	.590
LocationGarage * DoorwayGarage * AgeHome	.000	0	.	.	.
Error	2611.831	73	35.779		
Total	8692.593	97			
Corrected Total	5539.352	96			

a. R Squared = .528 (Adjusted R Squared = .380)

METHYL *TERT* BUTYL ETHER

Tests of Between-Subjects Effects

Dependent Variable: MTBE (Methyl tert-butyl ether)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	80289.081[a]	23	3490.830	12.915	.000
Intercept	39940.945	1	39940.945	147.764	.000
LocationGarage	25947.691	3	8649.230	31.998	.000
DoorwayGarage	4486.238	1	4486.238	16.597	.000
AgeHome	25794.260	7	3684.894	13.633	.000
LocationGarage * DoorwayGarage	773.573	1	773.573	2.862	.095
LocationGarage * AgeHome	32530.635	6	5421.772	20.058	.000
DoorwayGarage * AgeHome	946.009	1	946.009	3.500	.065
LocationGarage * DoorwayGarage * AgeHome	.000	0	.	.	.
Error	19732.017	73	270.302		
Total	120383.460	97			
Corrected Total	100021.098	96			

a. R Squared = .803 (Adjusted R Squared = .741)

TOLUENE

Tests of Between-Subjects Effects

Dependent Variable: Toluene

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	55909.228[a]	27	2070.712	7.251	.000
Intercept	36658.833	1	36658.833	128.367	.000
LocationGarage	13843.546	3	4614.515	16.158	.000
DoorwayGarage	3231.612	1	3231.612	11.316	.001
AgeHome	18775.899	7	2682.271	9.392	.000
PaintThinner	450.651	1	450.651	1.578	.213
LocationGarage * DoorwayGarage	344.860	1	344.860	1.208	.276
LocationGarage * AgeHome	23984.354	6	3997.392	13.998	.000
DoorwayGarage * AgeHome	296.854	1	296.854	1.039	.312
LocationGarage * DoorwayGarage * AgeHome	.000	0	.	.	.
LocationGarage * PaintThinner	.000	0	.	.	.
DoorwayGarage * PaintThinner	.000	0	.	.	.
LocationGarage * DoorwayGarage * PaintThinner	.000	0	.	.	.
AgeHome * PaintThinner	292.562	2	146.281	.512	.601
LocationGarage * AgeHome * PaintThinner	.000	0	.	.	.
DoorwayGarage * AgeHome * PaintThinner	.000	0	.	.	.
LocationGarage * DoorwayGarage * AgeHome * PaintThinner	.000	0	.	.	.
Error	19704.898	69	285.578		
Total	129267.010	97			
Corrected Total	75614.127	96			

a. R Squared = .739 (Adjusted R Squared = .637)

1,2,4 TRIMETHYL BENZENE

Tests of Between-Subjects Effects

Dependent Variable: 1,2,4-Trimethylbenzene

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2290.798[a]	28	81.814	8.755	.000
Intercept	1028.295	1	1028.295	110.038	.000
filter_$	3.574	1	3.574	.382	.538
LocationGarage	874.275	3	291.425	31.185	.000
AgeHome	695.329	7	99.333	10.630	.000
CarIn	271.770	1	271.770	29.082	.000
LocationGarage * AgeHome	776.857	9	86.317	9.237	.000
LocationGarage * CarIn	237.605	1	237.605	25.426	.000
AgeHome * CarIn	185.032	3	61.677	6.600	.001
LocationGarage * AgeHome * CarIn	149.802	2	74.901	8.015	.001
Error	663.489	71	9.345		
Total	4789.895	100			
Corrected Total	2954.287	99			

a. R Squared = .775 (Adjusted R Squared = .687)

m & p XYLENE

Tests of Between-Subjects Effects

Dependent Variable: Xylenes (m&p)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	16628.939[a]	23	722.997	7.916	.000
Intercept	9686.277	1	9686.277	106.059	.000
LocationGarage	4117.708	3	1372.569	15.029	.000
DoorwayGarage	615.585	1	615.585	6.740	.011
AgeHome	6478.560	7	925.509	10.134	.000
LocationGarage * DoorwayGarage	111.394	1	111.394	1.220	.273
LocationGarage * AgeHome	6581.996	6	1096.999	12.011	.000
DoorwayGarage * AgeHome	151.233	1	151.233	1.656	.202
LocationGarage * DoorwayGarage * AgeHome	.000	0	.	.	.
Error	6667.054	73	91.330		
Total	32236.857	97			
Corrected Total	23295.993	96			

a. R Squared = .714 (Adjusted R Squared = .624)

o XYLENE

Tests of Between-Subjects Effects

Dependent Variable: Xylenes (o)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2711.928[a]	42	64.570	6.499	.000
Intercept	1812.073	1	1812.073	182.377	.000
LocationGarage	690.328	3	230.109	23.159	.000
CarIn	69.047	1	69.047	6.949	.011
AgeHome	536.666	7	76.667	7.716	.000
filter_$	1.807	1	1.807	.182	.671
LocationGarage * CarIn	67.878	1	67.878	6.832	.011
LocationGarage * AgeHome	663.081	9	73.676	7.415	.000
CarIn * AgeHome	12.057	3	4.019	.404	.750
LocationGarage * CarIn * AgeHome	.000	0	.	.	.
LocationGarage * filter_$	20.333	2	10.166	1.023	.366
CarIn * filter_$	9.139	1	9.139	.920	.342
LocationGarage * CarIn * filter_$	.000	0	.	.	.
AgeHome * filter_$	50.047	6	8.341	.840	.545
LocationGarage * AgeHome * filter_$	21.047	2	10.523	1.059	.353
CarIn * AgeHome * filter_$	44.756	2	22.378	2.252	.114
LocationGarage * CarIn * AgeHome * filter_$	.000	0	.	.	.
Error	566.344	57	9.936		
Total	4815.618	100			
Corrected Total	3278.272	99			

a. R Squared = .827 (Adjusted R Squared = .700)

Table 13
Mean Values and t-test Results Based on Deodorizer Questions

Group Statistics

	Mothballs	N	Mean	Std. Deviation	Std. Error Mean
Tetrachloroethene (PCE)	0	80	3.75	6.17	0.69
	1	20	30.09	120.06	26.85
1,1,1-Trichloroethane	0	80	2.32	1.36	0.15
	1	20	2.37	1.81	0.40
Methylene chloride	0	80	4.65	11.57	1.29
	1	20	7.83	20.48	4.58
1,4-Dichlorobenzene	0	80	2.26	1.32	0.15
	1	20	33.02	73.83	16.51

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means (2-tailed)						
		F	Sig.	t	df	Sig.	Mean Difference	Std. Error Difference	95% CI of the Difference	
	Equal Variances Assumed?								Lower	Upper
Tetrachloroethene (PCE)	Yes	16.44	1E-04	1.98	98	**0.050**	-26.34	13.29	52.71	0.04
	No			0.98	19	0.339	-26.34	26.86	82.54	29.87
1,1,1-Trichloroethane	Yes	0.05	0.826	0.12	98	0.902	-0.05	0.37	-0.77	0.68
	No			-0.1	25	0.918	-0.05	0.43	-0.94	0.85
Methylene chloride	Yes	2.38	0.126	0.92	98	0.358	-3.18	3.44	-0.00	3.65
	No			0.67	22	0.511	-3.18	4.76	13.04	6.69
1,4-Dichlorobenzene	Yes	53.66	7E-11	3.78	98	**<.001**	-30.76	8.13	46.90	14.62
	No			1.86	19	**0.078**	-30.76	16.51	65.32	3.80

Table 13 (continued)
Mean Values and t-test Results Based on Deodorizer Questions

	Air Fresheners	N	Mean	Std. Deviation	Std. Error Mean
Tetrachloroethene	0	45	3.48	4.16	0.62
	1	55	13.55	72.61	9.79
1,1,1-Trichloroethane	0	45	2.33	1.39	0.21
	1	55	2.33	1.51	0.20
Methylene chloride	0	45	3.52	3.64	0.54
	1	55	6.73	18.19	2.45
1,4-Dichlorobenzene	0	45	5.00	12.73	1.90
	1	55	11.21	45.29	6.11

		Levene's Test for Equality of Variances		t-test for Equality of Means (2-tailed)						
		F	Sig.	t	df	Sig.	Mean Difference	Std. Error Difference	95% CI of the Difference	
	Equal variances assumed?								Lower	Upper
Tetrachloroethene	Yes	3.26	0.074	0.93	98	0.355	-10.08	10.85	31.60	11.45
	No			1.03	54	0.309	-10.08	9.81	29.74	9.59
1,1,1-Trichloroethane	Yes	0.38	0.537	-0	98	0.999	0.00	0.29	-0.58	0.58
	No			-0	97	0.999	0.00	0.29	-0.58	0.58
Methylene chloride	Yes	5.75	0.018	1.16	98	0.247	-3.21	2.76	-8.69	2.26
	No			1.28	59	0.206	-3.21	2.51	-8.24	1.81
1,4-Dichlorobenzene	Yes	3.35	0.07	0.89	98	0.375	-6.21	6.97	20.05	7.62
	No			0.97	64	0.335	-6.21	6.40	18.99	6.56

Table 13 (continued)
Mean Values and t-test Results Based on Deodorizer Questions

Group Statistics

	Scented Candles	N	Mean	Std. Deviation	Std. Error Mean
Tetrachloroethene (PCE)	0	45	4.66	7.97	1.19
	1	55	12.58	72.48	9.77
1,1,1-Trichloroethane	0	45	2.42	1.35	0.20
	1	55	2.25	1.54	0.21
Methylene chloride	0	45	3.68	6.53	0.97
	1	55	6.59	17.55	2.37
1,4-Dichlorobenzene	0	45	3.12	3.52	0.53
	1	55	12.74	46.35	6.25

		Levene's Test for Equality of Variances		t-test for Equality of Means (2-tailed)						
		F	Sig.	t	df	Sig.	Mean Difference	Std. Error Difference	95% CI of the Difference	
	Equal variances Assumed?								Lower	Upper
Tetrachloroethene	Yes	2.23	0.138	-0.73	98	0.468	-7.91	10.87	29.48	13.65
	No			-0.8	56	0.425	-7.91	9.84	27.64	11.81
1,1,1-Trichloroethane	Yes	0.63	0.431	0.592	98	0.555	0.17	0.29	-0.41	0.76
	No			0.6	97	0.550	0.17	0.29	-0.40	0.75
Methylene chloride	Yes	4.48	0.037	-1.06	98	0.294	-2.91	2.76	-8.40	2.57
	No			-1.14	71	0.258	-2.91	2.56	-8.02	2.19
1,4-Dichlorobenzene	Yes	8.17	0.005	-1.39	98	0.168	-9.62	6.93	-23.37	4.14
	No			-1.53	55	0.131	-9.62	6.27	22.19	2.95

Group Statistics

	Paint Thinner/Stripper	N	Mean	Std. Deviation	Std. Error Mean
1,4-Dichlorobenzene	0	93	8.92	35.89	3.72
	1	7	1.71	0.88	0.33
Methylene chloride	0	93	5.50	14.23	1.48
	1	7	2.36	1.74	0.66
1,1,1-Trichloroethane	0	93	2.38	1.48	0.15
	1	7	1.61	0.76	0.29

		Levene's Test for Equality of Variances		t-test for Equality of Means (2-tailed)						
		F	Sig.	t	df	Sig.	Mean Difference	Std. Error Difference	95% CI of the Difference	
	Equal variances Assumed?								Lower	Upper
1,4-Dichlorobenzene	Yes	0.81	0.37	0.53	98	0.60	7.20	13.63	-19.85	34.25
	No			1.93	93	0.06	7.20	3.74	-0.22	14.62
Methylene chloride	Yes	0.89	0.35	0.58	98	0.56	3.15	5.41	-7.58	13.88
	No			1.95	82	0.05	3.15	1.62	-0.07	6.36
1,1,1-Trichloroethane	Yes	0.70	0.40	1.36	98	0.18	0.77	0.57	-0.36	1.89
	No			2.37	10	**0.04**	0.77	0.32	0.04	1.49

Tables 14 a-c
Univariate Analysis of Chlorinated Compounds
with Suspected Deodorizer Product Sources

1,4 DICHLOROBENZENE

Between-Subjects Factors

		N
Mothballs	0	80
	1	20
Age of Home	1	1
	5	13
	15	20
	25	15
	40	18
	50	18
	75	11
	100	4
Which MDL	0	51
	1	49

Tests of Between-Subjects Effects

Dependent Variable: 1,4-Dichlorobenzene

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	113981.006[a]	25	4559.240	69.207	.000
Intercept	26789.826	1	26789.826	406.658	.000
Mothballs	29898.995	1	29898.995	453.853	.000
AgeHome	36697.738	7	5242.534	79.579	.000
MDLChange	538.745	1	538.745	8.178	.006
Mothballs * AgeHome	36999.798	5	7399.960	112.328	.000
Mothballs * MDLChange	962.930	1	962.930	14.617	.000
AgeHome * MDLChange	56679.921	6	9446.654	143.396	.000
Mothballs * AgeHome * MDLChange	57264.665	4	14316.166	217.313	.000
Error	4874.980	74	65.878		
Total	125932.160	100			
Corrected Total	118855.986	99			

a. R Squared = .959 (Adjusted R Squared = .945)

METHYLENE CHLORIDE

Tests of Between-Subjects Effects

Dependent Variable: Methylene chloride

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	6223.415[a]	43	144.731	.649	.929
Intercept	1929.279	1	1929.279	8.648	.005
Candles	31.527	1	31.527	.141	.708
Fresheners	291.215	1	291.215	1.305	.258
filter_$	69.618	1	69.618	.312	.579
AgeHome	880.740	7	125.820	.564	.782
Candles * Fresheners	1.972	1	1.972	.009	.925
Candles * filter_$	105.018	1	105.018	.471	.495
Fresheners * filter_$	62.075	1	62.075	.278	.600
Candles * Fresheners * filter_$	1.317	1	1.317	.006	.939
Candles * AgeHome	27.620	5	5.524	.025	1.000
Fresheners * AgeHome	410.755	5	82.151	.368	.868
Candles * Fresheners * AgeHome	245.858	4	61.465	.276	.893
filter_$ * AgeHome	605.265	5	121.053	.543	.743
Candles * filter_$ * AgeHome	263.635	4	65.909	.295	.880
Fresheners * filter_$ * AgeHome	1735.129	5	347.026	1.556	.188
Candles * Fresheners * filter_$ * AgeHome	.000	0	.	.	.
Error	12492.426	56	223.079		
Total	21506.850	100			
Corrected Total	18715.841	99			

a. R Squared = .333 (Adjusted R Squared = -.180)

1,1,1 TRICHLOROETHANE

Tests of Between-Subjects Effects

Dependent Variable: Methylene chloride

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	9780.974[a]	30	326.032	2.518	.001
Intercept	1065.883	1	1065.883	8.231	.005
Mothballs	286.322	1	286.322	2.211	.142
AgeHome	2872.357	7	410.337	3.169	.006
MDLChange	.000	0	.	.	.
PaintThinner	.169	1	.169	.001	.971
filter_$	.000	0	.	.	.
Mothballs * AgeHome	4357.996	5	871.599	6.731	.000
Mothballs * MDLChange	.000	0	.	.	.
AgeHome * MDLChange	.000	0	.	.	.
Mothballs * AgeHome * MDLChange	.000	0	.	.	.
Mothballs * PaintThinner	.000	0	.	.	.
AgeHome * PaintThinner	.366	2	.183	.001	.999
Mothballs * AgeHome * PaintThinner	.000	0	.	.	.
MDLChange * PaintThinner	.000	0	.	.	.
Mothballs * MDLChange * PaintThinner	.000	0	.	.	.
AgeHome * MDLChange * PaintThinner	.000	0	.	.	.
Mothballs * AgeHome * MDLChange * PaintThinner	.000	0	.	.	.
Mothballs * filter_$	.000	0	.	.	.
AgeHome * filter_$	.000	0	.	.	.
Mothballs * AgeHome * filter_$	.000	0	.	.	.
MDLChange * filter_$	.000	0	.	.	.
Mothballs * MDLChange * filter_$	.000	0	.	.	.
AgeHome * MDLChange * filter_$	.000	0	.	.	.
Mothballs * AgeHome * MDLChange * filter_$	.000	0	.	.	.
PaintThinner * filter_$	.000	0	.	.	.
Mothballs * PaintThinner * filter_$	.000	0	.	.	.
AgeHome * PaintThinner * filter_$	.000	0	.	.	.
Mothballs * AgeHome * PaintThinner * filter_$	.000	0	.	.	.
MDLChange * PaintThinner * filter_$	.000	0	.	.	.
Mothballs * MDLChange * PaintThinner * filter_$	.000	0	.	.	.
AgeHome * MDLChange * PaintThinner * filter_$	.000	0	.	.	.
Mothballs * AgeHome * MDLChange * PaintThinner * filter_$	.000	0	.	.	.
Error	8934.867	69	129.491		
Total	21506.850	100			
Corrected Total	18715.841	99			

a. R Squared = .523 (Adjusted R Squared = .315)

Table 15
Mean Values and t-test Results Based on Water Supply Question

Group Statistics

	Public Water Source	N	Mean	Std. Deviation	Std. Error Mean
Chloroform	0	39	1.88	0.70	0.11
	1	61	2.16	1.22	0.16

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means (2-tailed)						
		F	Sig.	t	df	Sig.	Mean Difference	Std. Error Difference	95% CI of the Difference	
	Equal variances assumed								Lower	Upper
Chloroform	Yes	3.17	0.078	1.28	98	0.204	-0.27	0.21	-0.70	0.15
	No			1.43	97	0.155	-0.27	0.19	-0.66	0.11

Table 16
Univariate Analysis of Chloroform with Suspected Chlorinated Water Source

CHLOROFORM

Between-Subjects Factors

		N
Public Water Source	0	30
	1	43
MDL Change	0	49
	1	24

Tests of Between-Subjects Effects

Dependent Variable: Chloroform

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	17.915[a]	4	4.479	4.205	.004
Intercept	73.391	1	73.391	68.903	.000
Month	.277	1	.277	.260	.612
PublicWater	3.078	1	3.078	2.890	.094
MDLChange	15.016	1	15.016	14.097	.000
PublicWater * MDLChange	1.155	1	1.155	1.084	.301
Error	72.430	68	1.065		
Total	352.812	73			
Corrected Total	90.345	72			

a. R Squared = .198 (Adjusted R Squared = .151)

Table 17
Mean Values and t-test Results Based on Use of Nail Polish Question

Group Statistics

	Nail Polish	N	Mean	Std. Deviation	Std. Error Mean
Acetone	0	65	50.25	73.72	9.14
	1	34	159.24	502.48	86.17
2-Butanone	0	65	4.97	6.19	0.77
	1	34	10.87	27.23	4.67

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means (2-tailed)						
		F	Sig.	T	df	Sig	Mean Difference	Std. Error Difference	95% CI of the Difference	
	Equal variances Assumed?								Lower	Upper
Acetone (2-propanone)	Yes	9.49	**0.003**	1.72	97	0.088	-108.99	63.31	234.65	16.67
	No			1.26	34	0.217	-108.99	86.66	285.15	67.17
2-Butanone	Yes	6.14	**0.015**	1.68	97	0.097	-5.91	3.53	-12.91	1.09
	No			1.25	35	0.220	-5.91	4.73	-15.52	3.70

Table 18 a-b
Univariate Analysis of Ketones with Suspected Nail Polish Sources

ACETONE

Between-Subjects Factors

		N
Nail Polish	0	65
	1	34
Age of Home	1	1
	5	13
	15	20
	25	15
	40	18
	50	17
	75	11
	100	4

Tests of Between-Subjects Effects

Dependent Variable: Acetone (2-propanone)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2262308.041[a]	13	174023.695	2.213	.015
Intercept	1087165.533	1	1087165.533	13.828	.000
NailPolish	307401.212	1	307401.212	3.910	.051
AgeHome	1437457.639	7	205351.091	2.612	.017
NailPolish * AgeHome	1193136.042	5	238627.208	3.035	.014
Error	6682783.615	85	78620.984		
Total	9706126.000	99			
Corrected Total	8945091.657	98			

a. R Squared = .253 (Adjusted R Squared = .139)

2-BUTANONE

Tests of Between-Subjects Effects

Dependent Variable: 2-Butanone (Methyl ethyl ketone)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4994.218[a]	15	332.948	1.217	.276
Intercept	1594.722	1	1594.722	5.829	.018
NailPolish	907.586	1	907.586	3.318	.072
AgeHome	3581.936	7	511.705	1.870	.085
KeroseneHeater	1.525	1	1.525	.006	.941
NailPolish * AgeHome	1470.487	5	294.097	1.075	.380
NailPolish * KeroseneHeater	.000	0	.	.	.
AgeHome * KeroseneHeater	6.863	1	6.863	.025	.875
NailPolish * AgeHome * KeroseneHeater	.000	0	.	.	.
Error	22706.410	83	273.571		
Total	32544.630	99			
Corrected Total	27700.627	98			

a. R Squared = .180 (Adjusted R Squared = .032)

Table 19
Mean Values and t-test Results Based on Dry Cleaning Brought into Home Question

Group Statistics

	Dry Cleaning in House	N	Mean	Std. Deviation	Std. Error Mean
Tetrachloroethene (PCE)	0	83	9.80	59.16	6.49
	1	17	5.21	6.58	1.59
1,1,1-Trichloroethane	0	83	2.36	1.53	0.17
	1	17	2.20	1.04	0.25
Methylene chloride	0	83	5.64	14.98	1.64
	1	17	3.56	3.98	0.96

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means (2-tailed)						
		F	Sig.	t	df	Sig.	Mean Difference	Std. Error Difference	95% CI of the Difference	
	Equal variances Assumed?								Lower	Upper
Tetrachloroethene	Yes	0.48	0.49	0.32	98	0.751	4.59	14.42	-24.03	33.22
	No			0.69	91	0.494	4.59	6.69	-8.69	17.87
1,1,1-Trichloroethane	Yes	0.43	0.51	0.40	98	0.690	0.16	0.39	-0.62	0.93
	No			0.51	32	0.611	0.16	0.30	-0.46	0.77
Methylene chloride	Yes	1.28	0.26	0.57	98	0.573	2.08	3.67	-5.21	9.37
	No			1.09	92	0.279	2.08	1.91	-1.71	5.86

Table 20
Univariate Analysis of Tetrachloroethylene
with Suspected Dry Cleaner Solvent Source

TETRACHLOROETHYLENE

Tests of Between-Subjects Effects

Dependent Variable: Tetrachloroethene (PCE)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	91921.839[a]	6	15320.307	7.267	.000
Intercept	9687.014	1	9687.014	4.595	.035
DryCleaning	28848.826	1	28848.826	13.684	.000
PaintThinner	6424.270	1	6424.270	3.047	.084
MDLChange	25436.856	1	25436.856	12.065	.001
DryCleaning * PaintThinner	32222.138	1	32222.138	15.284	.000
DryCleaning * MDLChange	44.499	1	44.499	.021	.885
PaintThinner * MDLChange	37095.047	1	37095.047	17.595	.000
DryCleaning * PaintThinner * MDLChange	.000	0	.	.	.
Error	196065.522	93	2108.231		
Total	296117.990	100			
Corrected Total	287987.361	99			

a. R Squared = .319 (Adjusted R Squared = .275)

Table 21
Comparison of Concentrations Measured in this Study and the RIOPA and TEAM Studies
(This Study had 24 hour Indoor, RIOPA 48 hour Indoor, TEAM 12 or 24 hour Personal Samples)

Compound (If < reported for Median change in MDL value given)	**Number Above MDL**	**This Study Median**	**This Study Mean**	**RIOPA NJ Median/ Mean**	**RIOPA TX Median/ Mean**	**RIOPA CA Median/ Mean**	**TEAM NJ Mediann/ Mean Ave. Personal**	**TEAM ND Day Median/ Mean Personal**	**TEAM ND Night Median/ Mean Personal**
Acetone (2-propanone)	94	34.5	87.1						
Benzene	76	1.80	4.07	1.7/2.5	3.1/4.9	2.1/3.0			
Bromodichloromethane	0	<1.3							
Bromoethene	0	<0.87							
Bromoform	0	<2.1							
Bromomethane (Methyl bromide)	0	<0.78							
1,3-Butadiene MDL Changed 1.1 to 0..44	7	<1.1	1.03						
2-Butanone (Methyl ethyl ketone)	84	3.50	6.87						
Carbon disulfide	2	<1.6	1.64						
Carbon tetrachloride	0	<1.3		0.63/0.66	0.62/0.68	0.58/0.79	4.5/7.2		
Chlorobenzene	0	<0.92					0.63/1.5	0.63/1.5	0.63/1.5
Chloroethane	0	<1.3							
Chloroform (MDL changed 2.4 to 1.0)	28	2.40	2.05	0.74/1.6	1.3/2.3	0.92/1.6	4.5/7.2	0.1/3.3	0.56/0.76
Chloromethane (Methyl chloride)	80	1.4	1.49						
3-Chloropropene (MDL changed 1.6 – 0.63)	0	<1.6							
2-Chlorotoluene (o-Chlorotoluene)	3	<1.3							
Cyclohexane (MDL changed 1.7 – 0.69)	48	<1.7	2.90						

Table 21
Comparison of Concentrations Measured in this Study and the RIOPA and TEAM Studies
(This Study had 24 hour Indoor, RIOPA 48 hour Indoor, TEAM 12 or 24 hour Personal Samples)

Compound (If < reported for Median change in MDL value given)	**Number Above MDL**	**This Study Median**	**This Study Mean**	**RIOPA NJ Median/ Mean**	**RIOPA TX Median/ Mean**	**RIOPA CA Median/ Mean**	**TEAM NJ Mediann/ Mean Ave. Personal**	**TEAM ND Day Median/ Mean Personal**	**TEAM ND Night Median/ Mean Personal**
Dibromochloromethane	0	<1.7							
1,2-Dibromoethane	0	<1.5							
1,2-Dichlorobenzene	1	<1.2							
1,3-Dichlorobenzene	0	<1.2							
1,4-Dichlorobenzene (MDL changed 3.0 – 1.2)	16	<3.0	8.41	0.72/29	2.0/132	0.76/39	4.2/45	2.1/15	1.3/11
Dichlorodifluoromethane	88	3.30	7.73						
1,1-Dichloroethane	0	<0.81							
1,2-Dichloroethane	1	<0.81							
1,1-Dichloroethene	0	<0.79							
1,2-Dichloroethene (cis)	1	<0.79							
1,2-Dichloroethene (trans)	0	<0.79							
1,2-Dichloropropane	0	<0.92							
cis-1,3-Dichloropropene	0	<0.91							
trans-1,3-Dichloropropene	0	<0.91							
1,2-Dichlorotetrafluoroethane (Freon 114)	1	<2.45							
Ethylbenzene	56	2.20	3.72	1.3/2.3	1.7/2.8	1.5/2.5	8/13	1.4/18	2.8/2.8
4-Ethyltoluene (MDL changed 2.5 – 0.98)	46	<2.50	3.70						

Table 21
Comparison of Concentrations Measured in this Study and the RIOPA and TEAM Studies
(This Study had 24 hour Indoor, RIOPA 48 hour Indoor, TEAM 12 or 24 hour Personal Samples)

Compound (If < reported for Median change in MDL value given)	**Number Above MDL**	**This Study Median**	**This Study Mean**	**RIOPA NJ Median/ Mean**	**RIOPA TX Median/ Mean**	**RIOPA CA Median/ Mean**	**TEAM NJ Mediann/ Mean Ave. Personal**	**TEAM ND Day Median/ Mean Personal**	**TEAM ND Night Median/ Mean Personal**
n-Heptane	68	2.00	4.43						
Hexachlorobutadiene	0	<2.10							
n-Hexane	75	2.80	8.42						
Methylene chloride	41	<1.7	5.28	0.84/1.6	0.44/3.5	0.84/1.7			
4-Methyl-2-pentanone (MIBK)	9	<2.0	2.21						
MTBE (Methyl tert-butyl ether)	66	3.45	19.3	5.0/7.4	5.8/15	7.4/13			
Styrene (MDL changed 2.1 – 0.85)	18	<2.1	1.61	0.17/1.4	0.67/1.6	0.49/1.2	2.1/9.0		
Tertiary butyl alcohol (TBA)	0	<15.							
1,1,2,2-Tetrachloroethane	0	<1.4							
Tetrachloroethene (PCE) (MDL changed 3.4 – 1.4	22	<3.4	9.02	0.56/1.3	0.29/1.0	1.7/3.3	9.1/14	5.4/36	4.7/12
Toluene	100	13.0	25.1	9.7/13	10/17	11/17			
1,2,4-Trichlorobenzene	0	<3.70							
1,1,1-Trichloroethane (MDL changed 2.7 – 1.1)	21	<2.7	2.33				18/420	13/45	37/120
1,1,2-Trichloroethane	0	<1.1							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	2	<1.9							
Trichloroethene (TCE)	7	<2.7		0.43/0.95	0.12/0.18	0.11/0.25	3.2/5.2	0.26/4.3	0.75/5.5
Trichlorofluoromethane (Freon 11)	76	2.80	4.73						

Table 21
Comparison of Concentrations Measured in this Study and the RIOPA and TEAM Studies
(This Study had 24 hour Indoor, RIOPA 48 hour Indoor, TEAM 12 or 24 hour Personal Samples)

Compound (If < reported for Median change in MDL value given)	**Number Above MDL**	**This Study Median**	**This Study Mean**	**RIOPA NJ Median/ Mean**	**RIOPA TX Median/ Mean**	**RIOPA CA Median/ Mean**	**TEAM NJ Mediann/ Mean Ave. Personal**	**TEAM ND Day Median/ Mean Personal**	**TEAM ND Night Median/ Mean Personal**
1,2,4-Trimethylbenzene	57	2.50	4.28						
1,3,5-Trimethylbenzene	22	<2.5	2.17						
2,2,4-Trimethylpentane	27	<2.3	4.78						
Vinyl chloride	0	<0.51							
Xylenes (m&p)	83	3.80	10.2	3.2/6.5	4.6/8.5	4.2/6.9	19/33	2.1/15	6.0/11
Xylenes (o)	55	2.20	3.92	1.2/2.2	1.5/2.8	1.6/2.5	7.0/11	2.5/30	2.9/4.3

When no value is given in a column, that compound was not reported for the indicated study.

Mean values are as reported in each study and vary between using MDL or ½ MDL in their calculation.

Source of Comparison Data

--- RIOPA data collected in 1999-2001, source Weisel et al., 2005, HEI Report Number 130 Part 1/ Mickey Leland NUATRC Number 7 Relationship of Indoor, Outdoor, and Personal Air (RIOPA). Part 1. Collection Methods and Descriptive Analyses

---TEAM data collected in 1981-1982- , source Pellizzari et al 1987, EPA Report EPA/800/6-87/002b Total Exposure Assessment Methodology (TEAM) Study: Elizabeth and Bayonne, New Jersey, Devils Lake, North Dakota and Greensboro, North Carolina, Vol II Part2.

Table 22 **Test for Differences between Indoor Air Concentrations** **Between Current Data and RIOPA NJ Data using t-test**	
Compound	*p value*
Benzene	0.021 *
Chloroform	0.021 *
1,4 Dichlorobenzene	0.0308 *
Ethyl benzene	0.0395 *
Methylene chloride	0.0104 *
Methyl tert butyl ether (MTBE)	0.0364 *
Stryene	0.5014
Toluene	0.0021 *
Tetrachloroethylene (PERC)	0.1536
m/p Xylene	0.0882
o Xylene	0.013 *

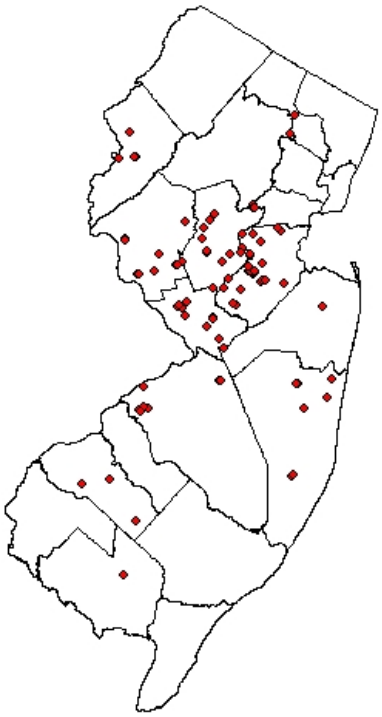
An * means that the difference is statistically significant at a $p<0.05$

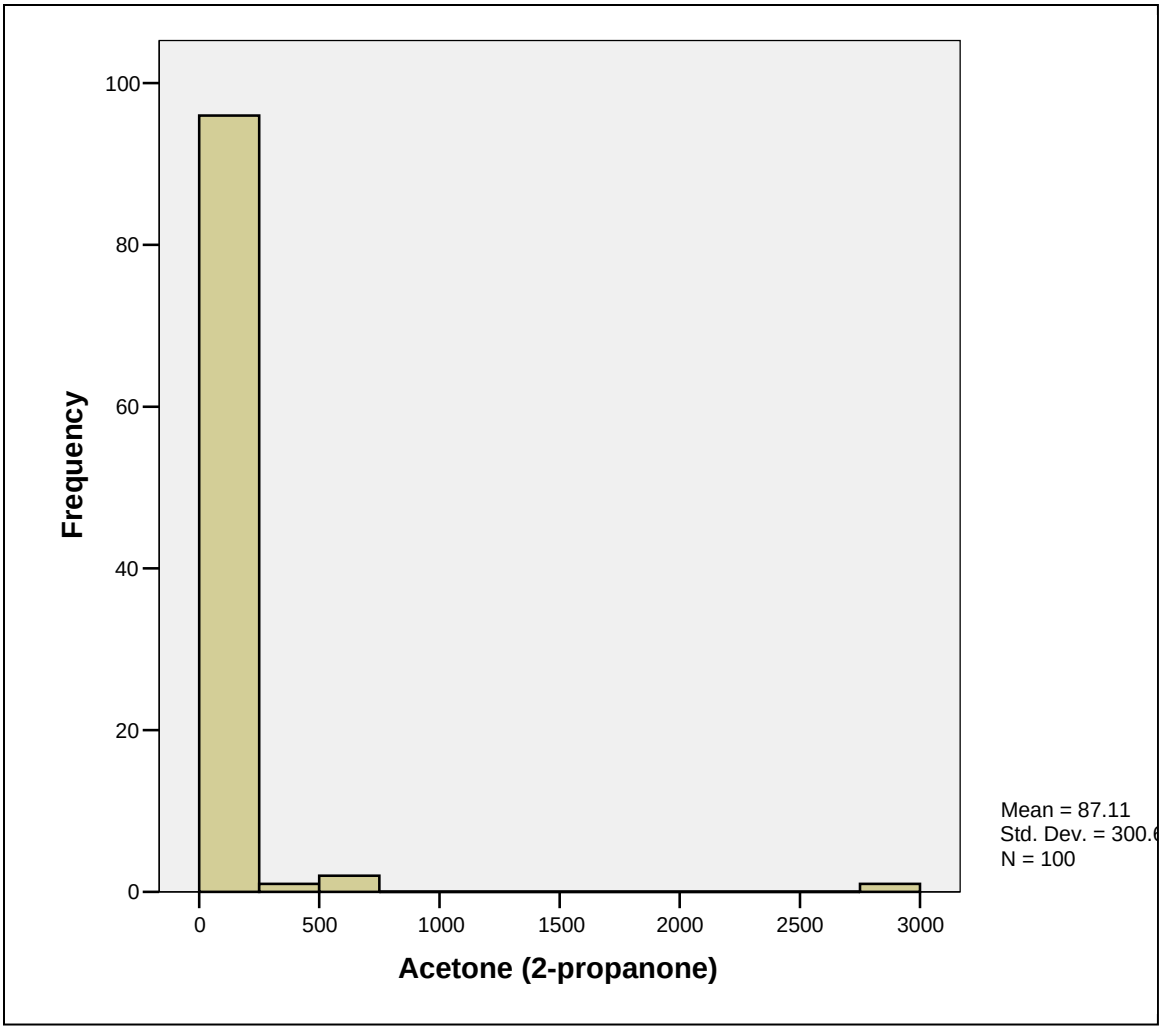
List of Figures

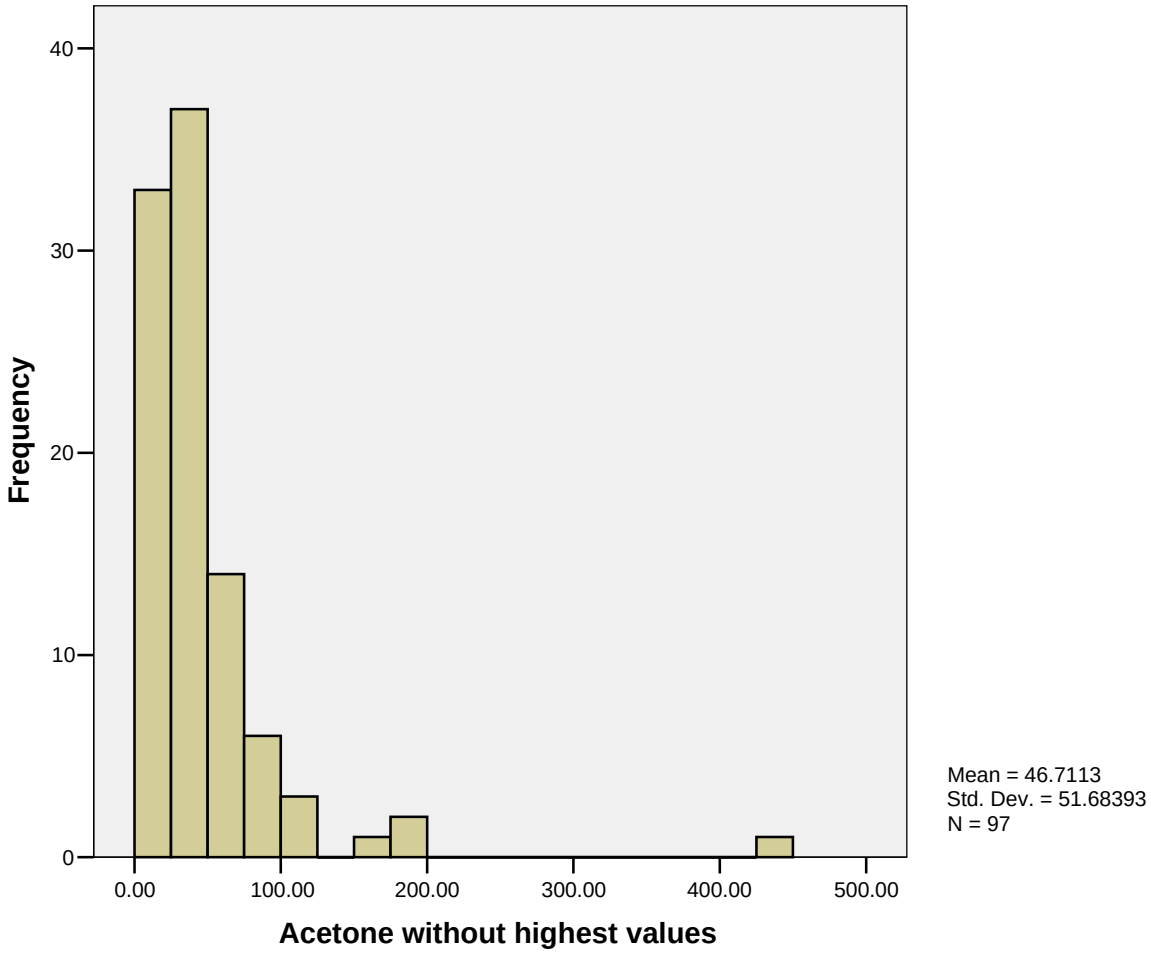
pp. log Trichlorofluromethane
qq. m/p Xylene

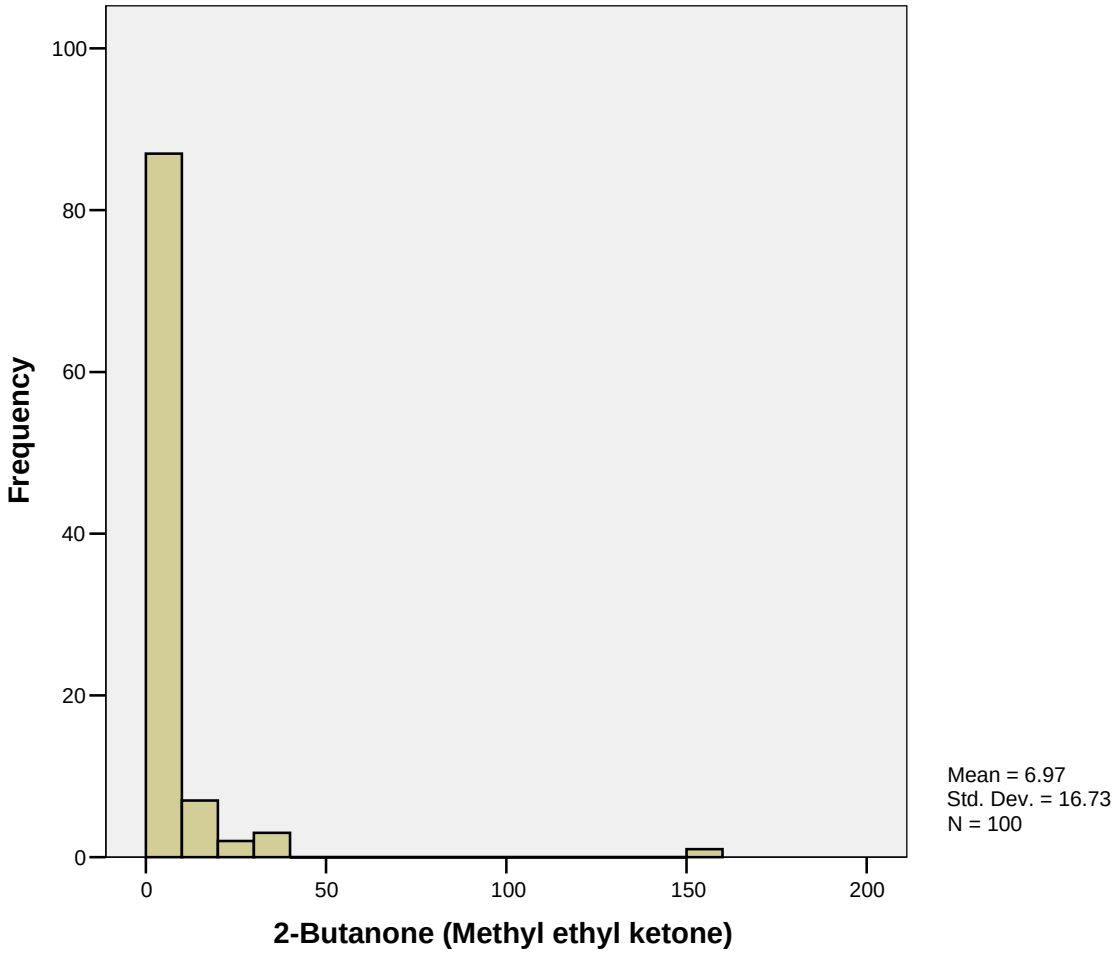
3. Scatter plots of Selected Compound Concentration with Toluene Concentration All concentrations reported in $\mu g/m^3$
    a. Acetone
    b. Acetone scale expanded
    c. Cyclohexane
    d. Cyclohexane scale expanded
    e. *m&p* Xylene

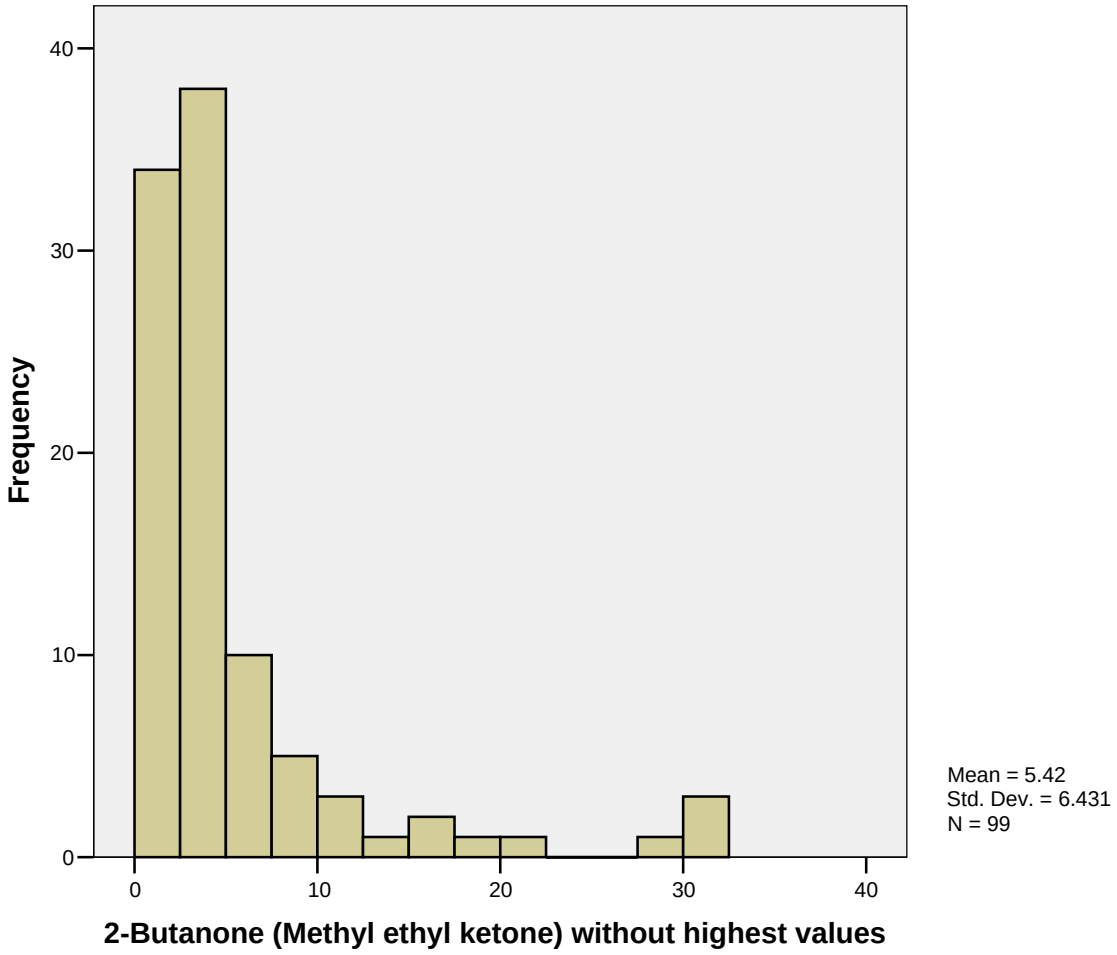
4. Scree Plot used to decide how many factors to include in the final analysis. Decisions are based on when the Eigenvalue falls below one or shows a discontinuity in its value as more factors are added

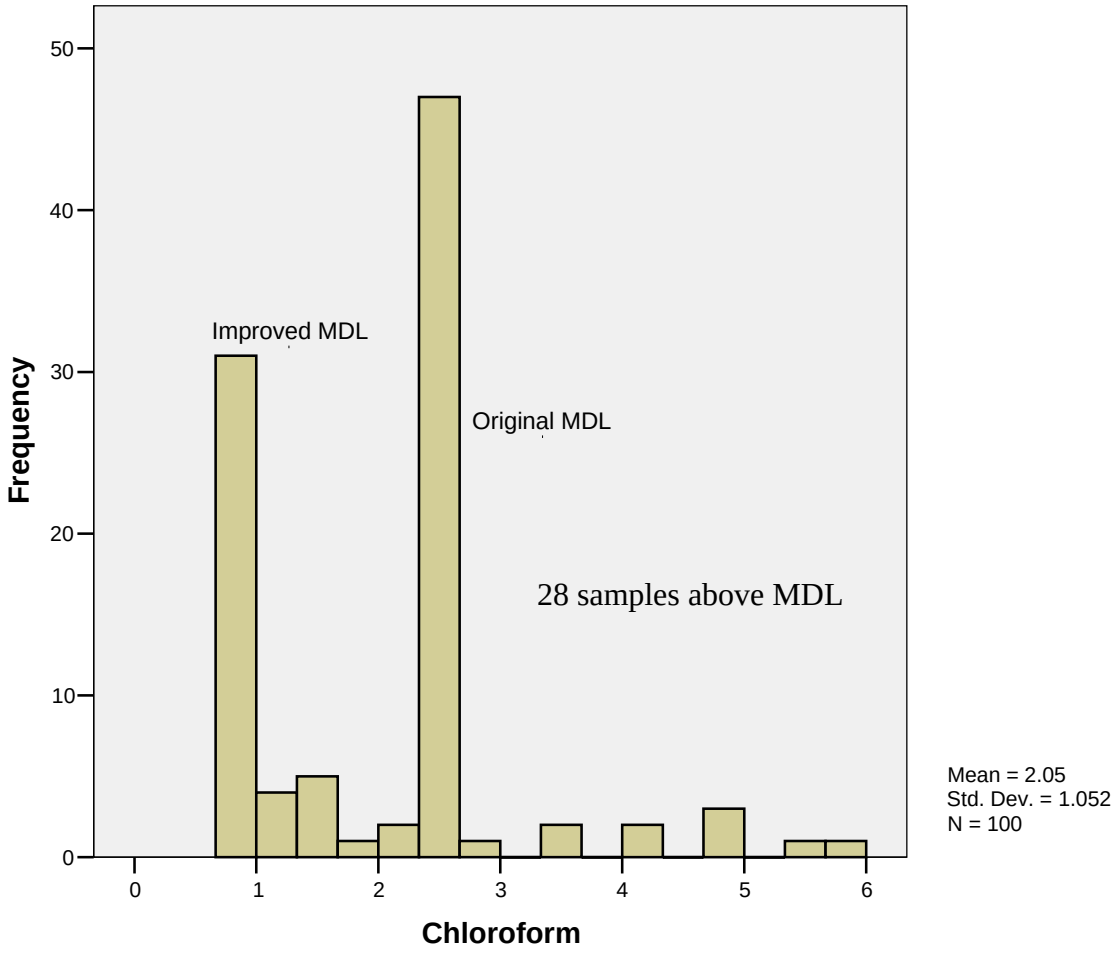


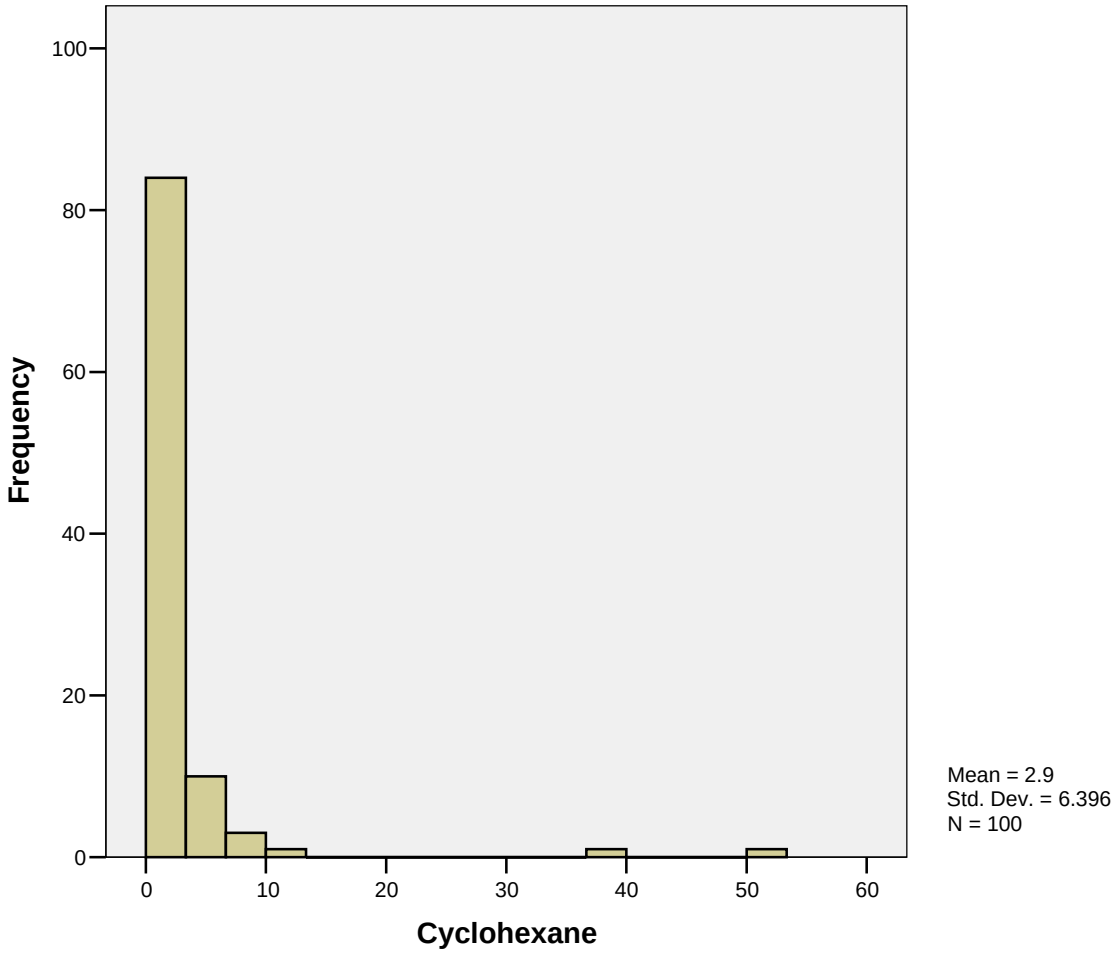

Frequency
100
80
60
40
20
0
0
500
1000
1500
2000
2500
3000
Acetone (2-propanone)
Mean = 87.11
Std. Dev. = 300.6
N = 100

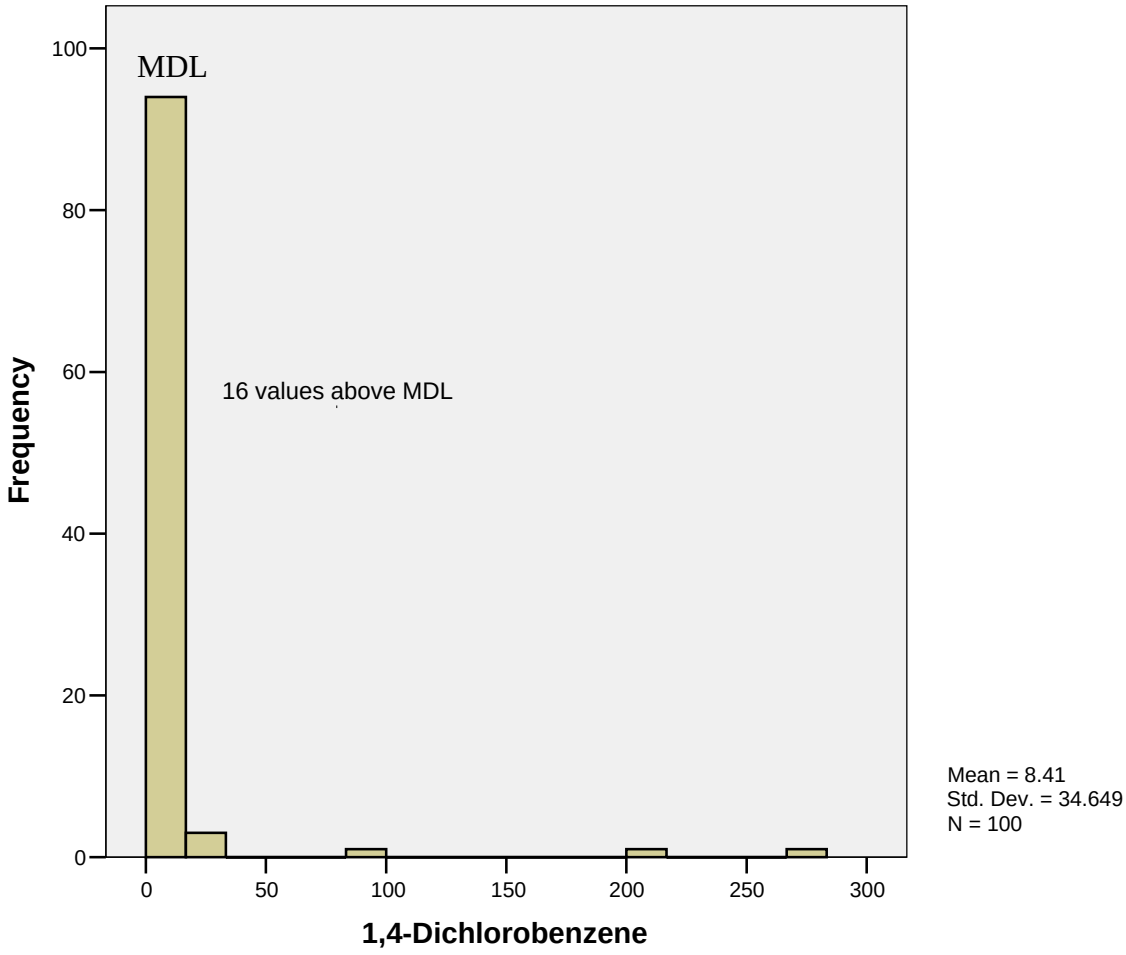

40
30
20
10
0
Frequency
0.00
100.00
200.00
300.00
400.00
500.00
Acetone without highest values
Mean = 46.7113
Std. Dev. = 51.68393
N = 97

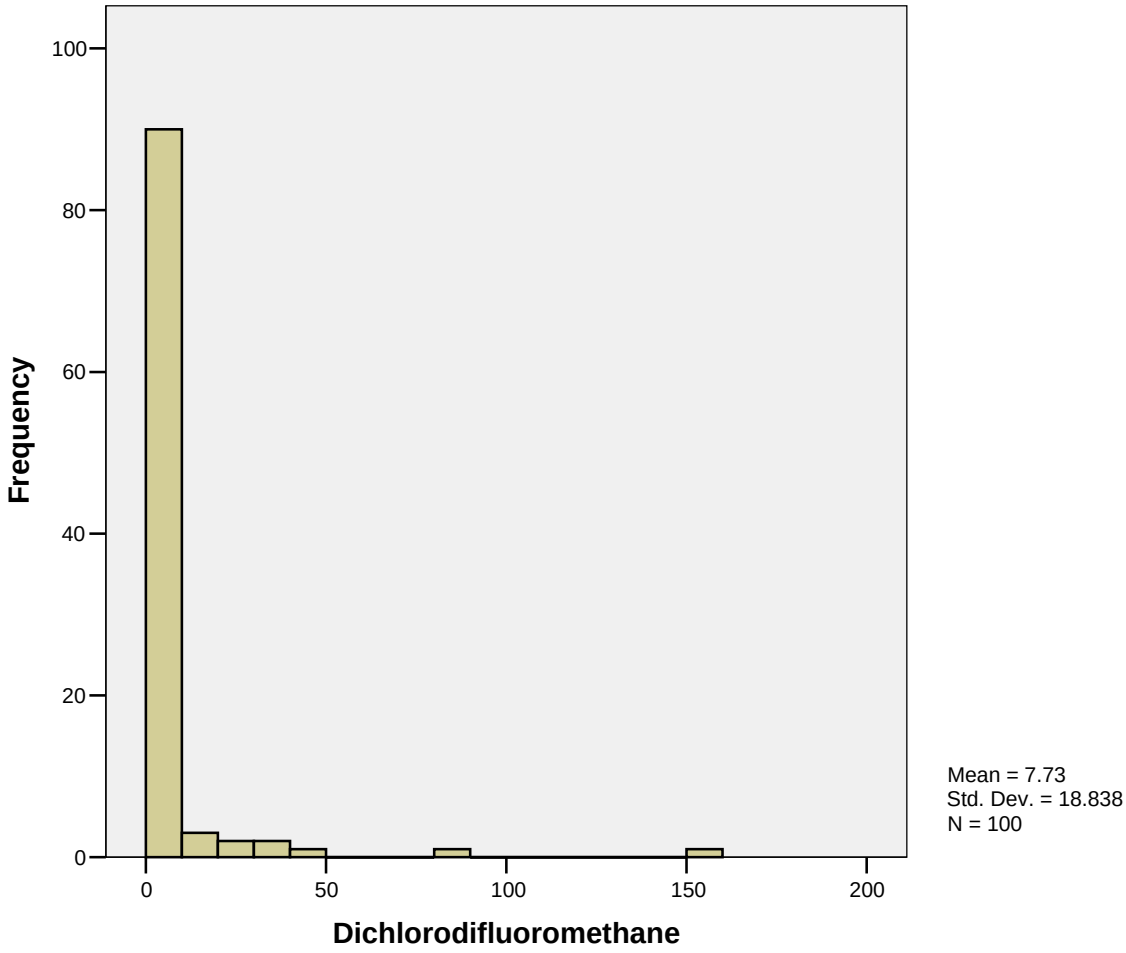

Frequency
100
80
60
40
20
0
0
50
100
150
200
2-Butanone (Methyl ethyl ketone)
Mean = 6.97
Std. Dev. = 16.73
N = 100

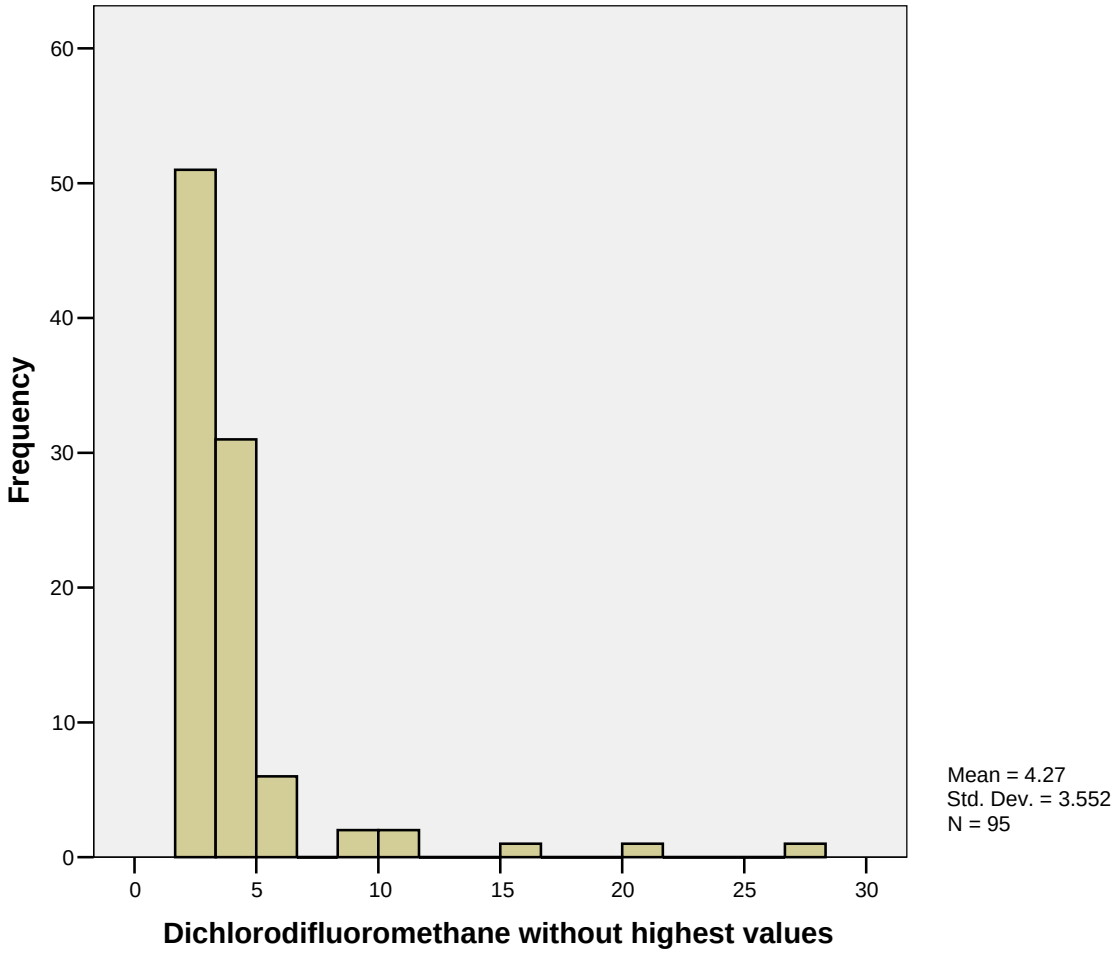

Frequency
40
30
20
10
0
0
10
20
30
40
2-Butanone (Methyl ethyl ketone) without highest values
Mean = 5.42
Std. Dev. = 6.431
N = 99

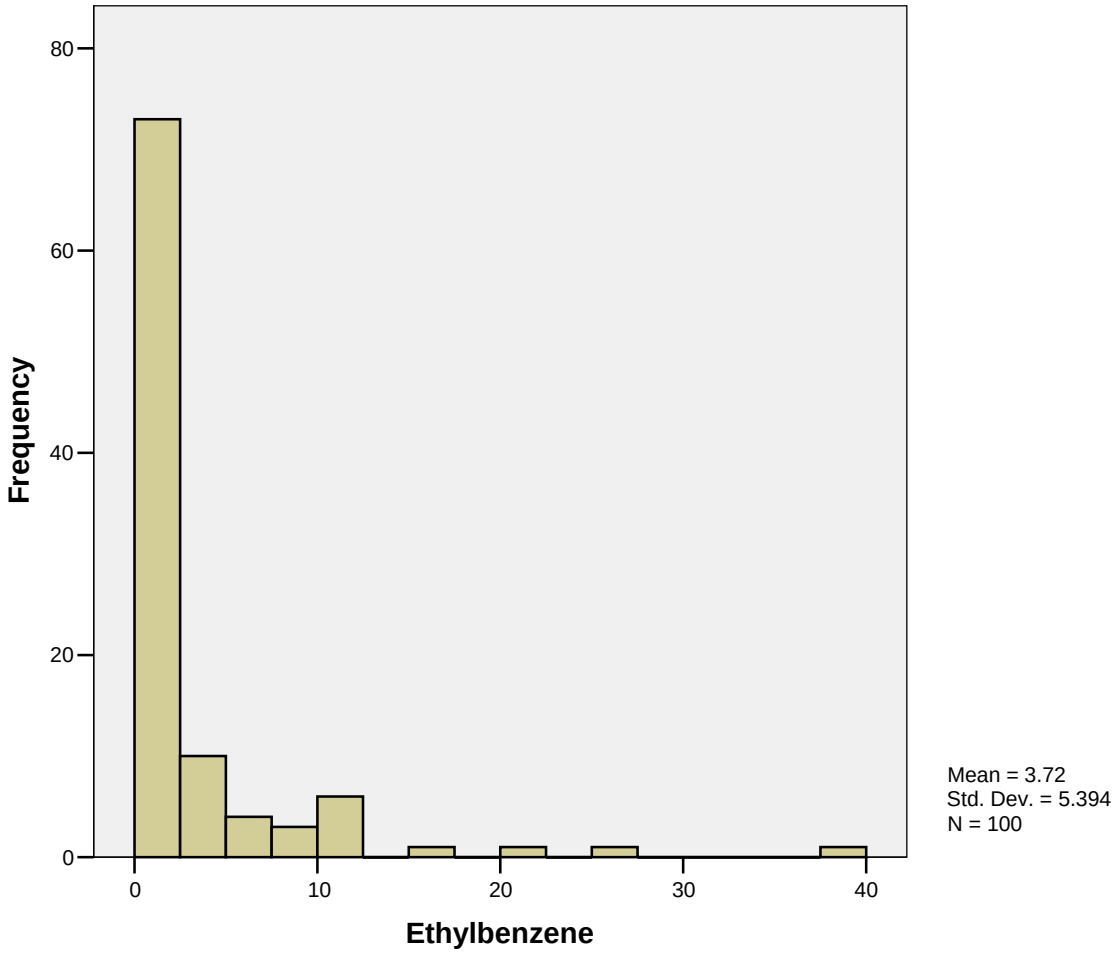

Improved MDL
Original MDL
28 samples above MDL
Frequency
Chloroform
Mean = 2.05
Std. Dev. = 1.052
N = 100

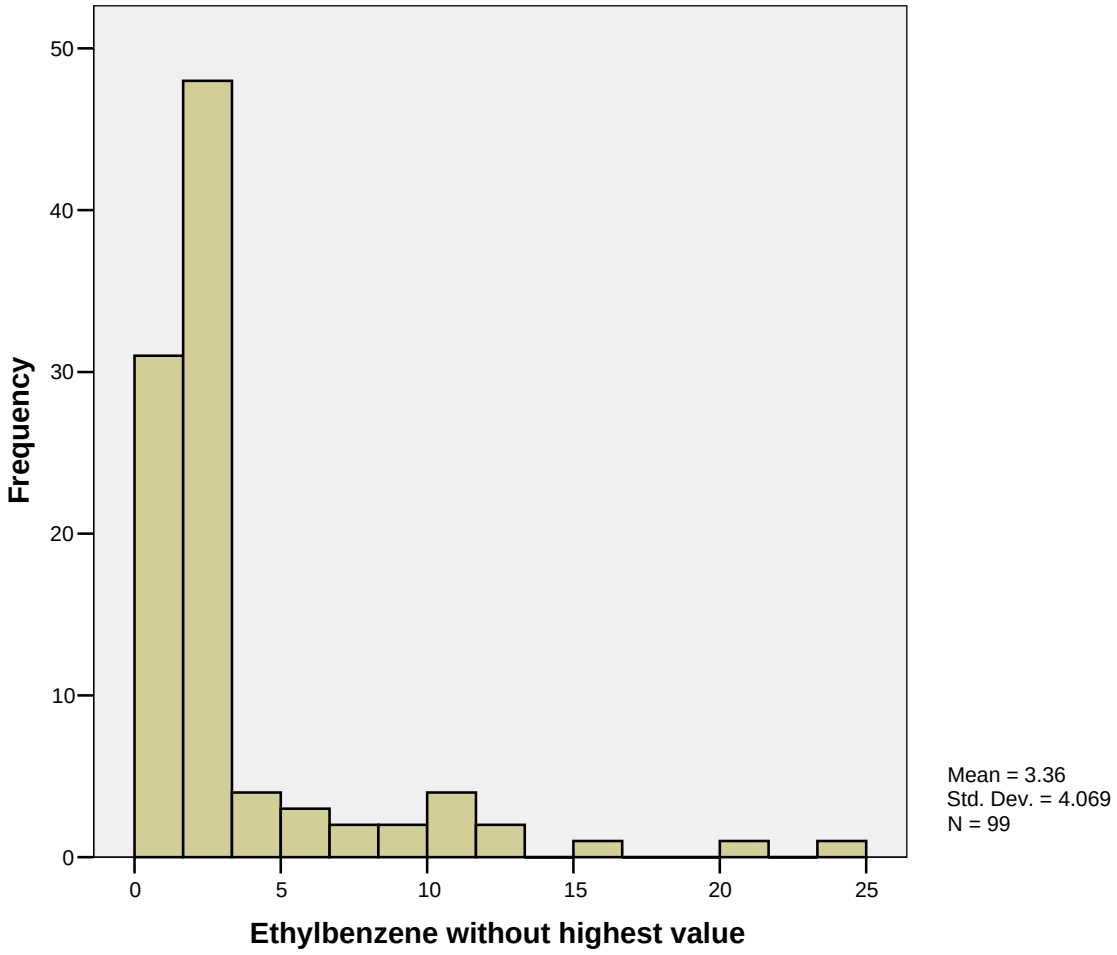

100
80
60
40
20
0
Frequency
0
10
20
30
40
50
60
Cyclohexane
Mean = 2.9
Std. Dev. = 6.396
N = 100

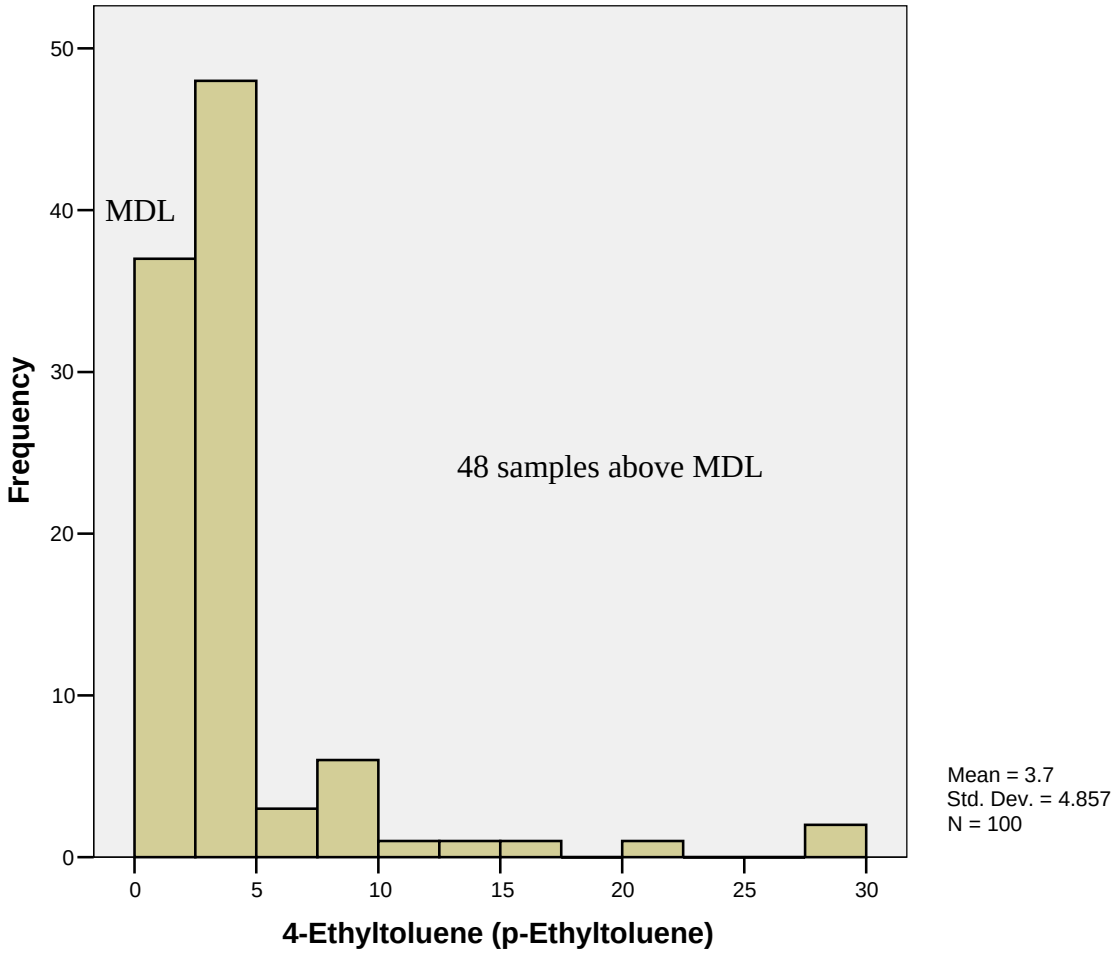

MDL
16 values above MDL
Frequency
100
80
60
40
20
0
0
50
100
150
200
250
300
1,4-Dichlorobenzene
Mean = 8.41
Std. Dev. = 34.649
N = 100

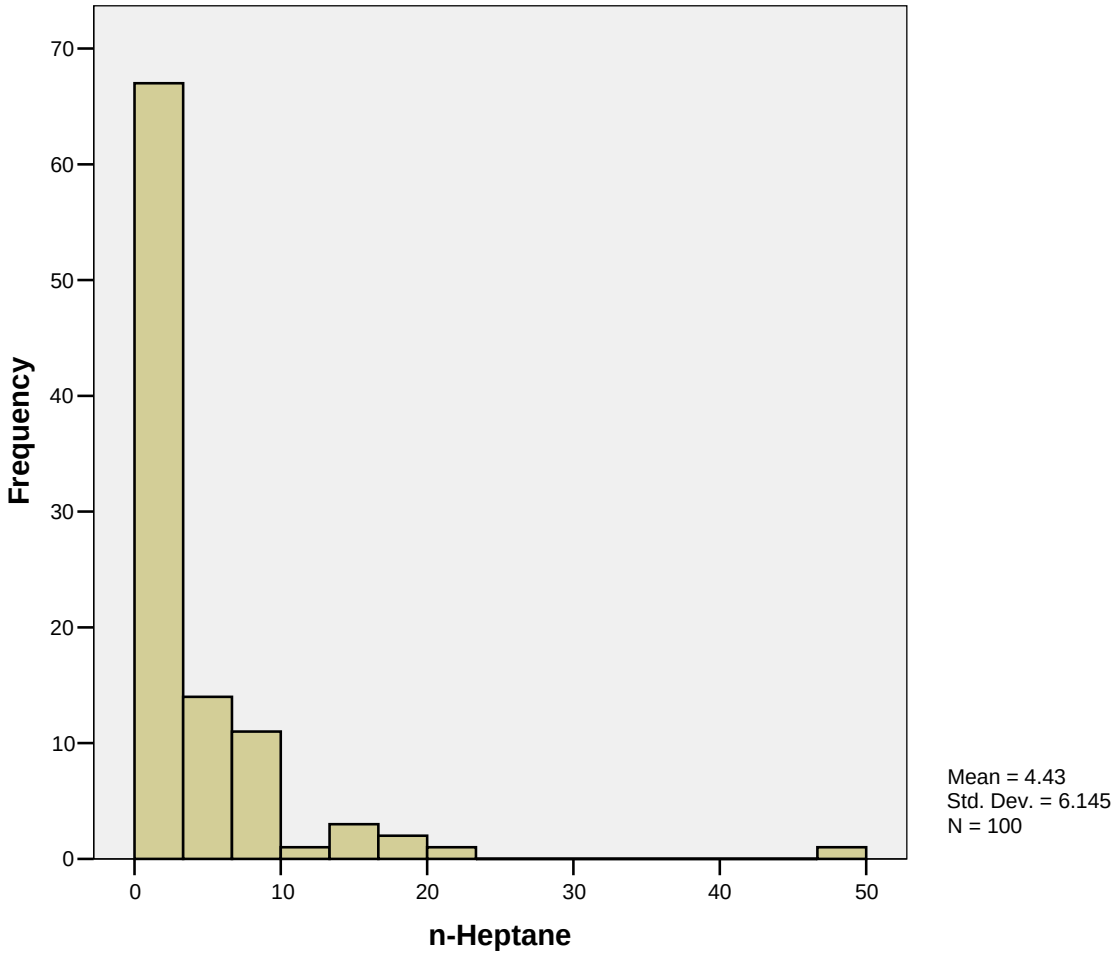

Frequency
100
80
60
40
20
0
0
50
100
150
200
Dichlorodifluoromethane
Mean = 7.73
Std. Dev. = 18.838
N = 100

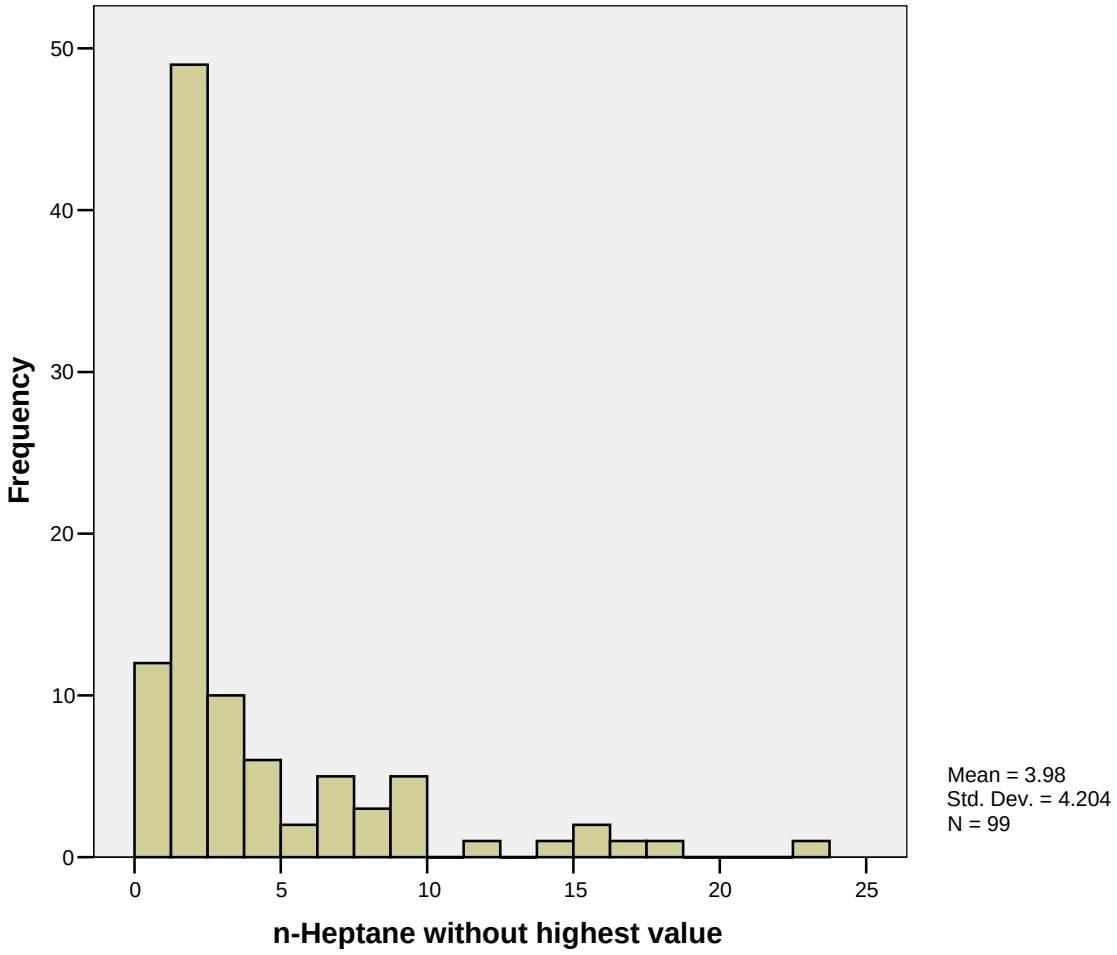

Frequency
60
50
40
30
20
10
0
0
5
10
15
20
25
30
Dichlorodifluoromethane without highest values
Mean = 4.27
Std. Dev. = 3.552
N = 95

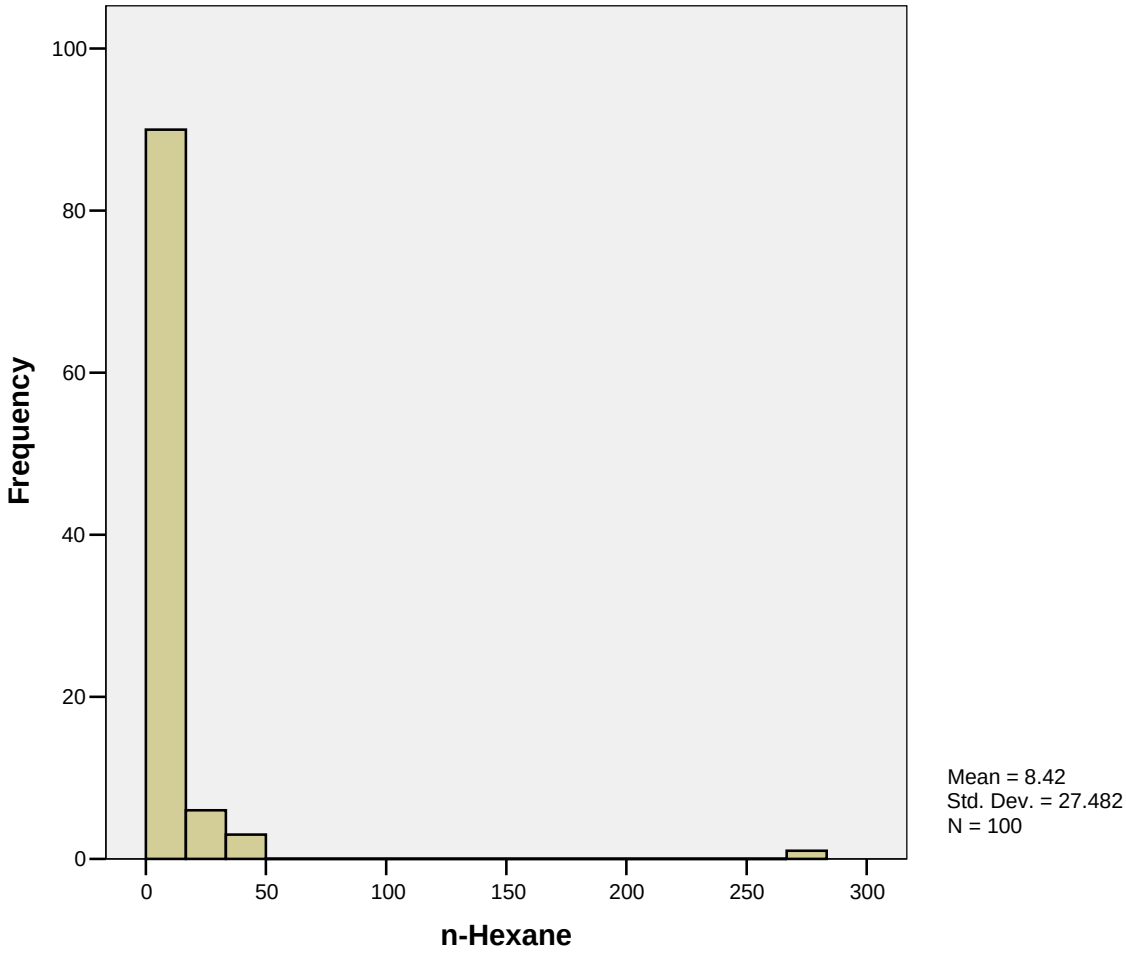

80
60
40
20
0
Frequency
0
10
20
30
40
Ethylbenzene
Mean = 3.72
Std. Dev. = 5.394
N = 100

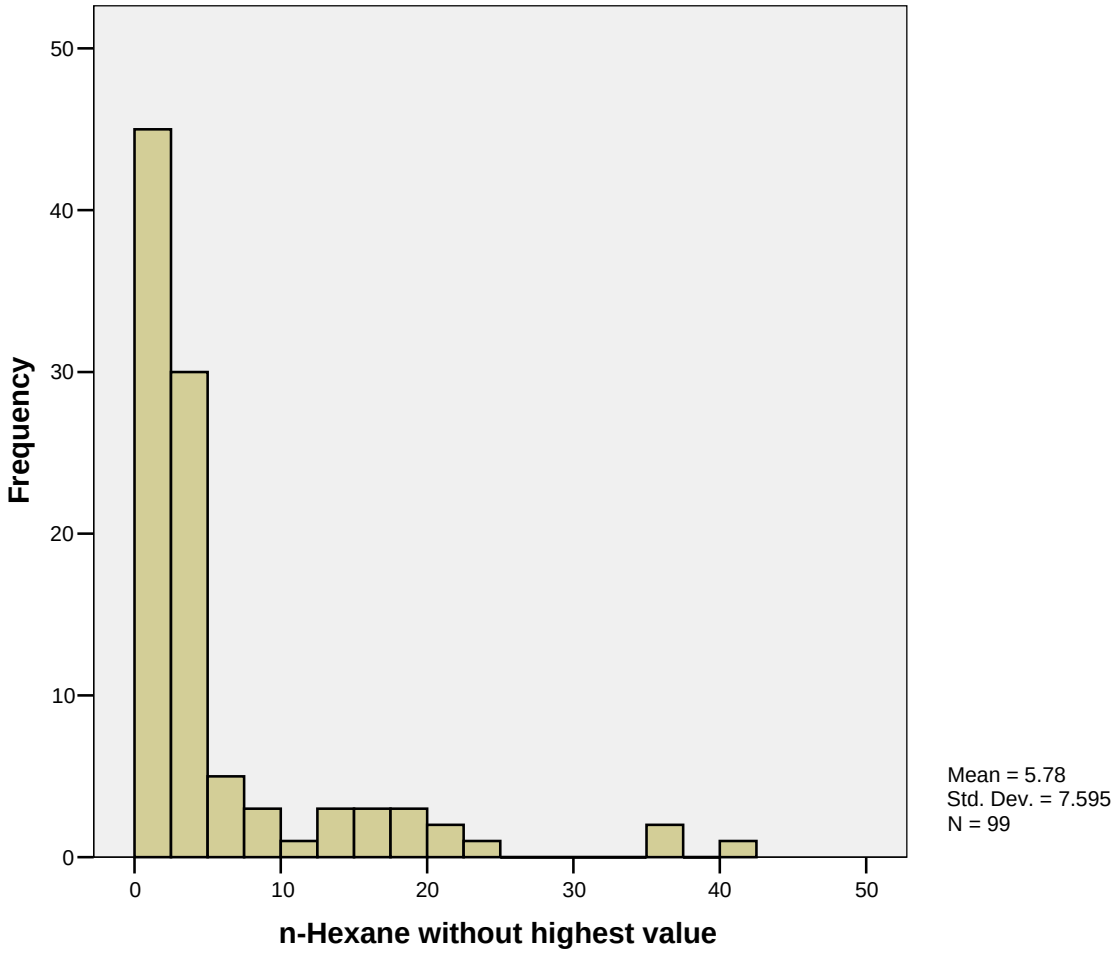

Frequency
50
40
30
20
10
0
0
5
10
15
20
25
Ethylbenzene without highest value
Mean = 3.36
Std. Dev. = 4.069
N = 99

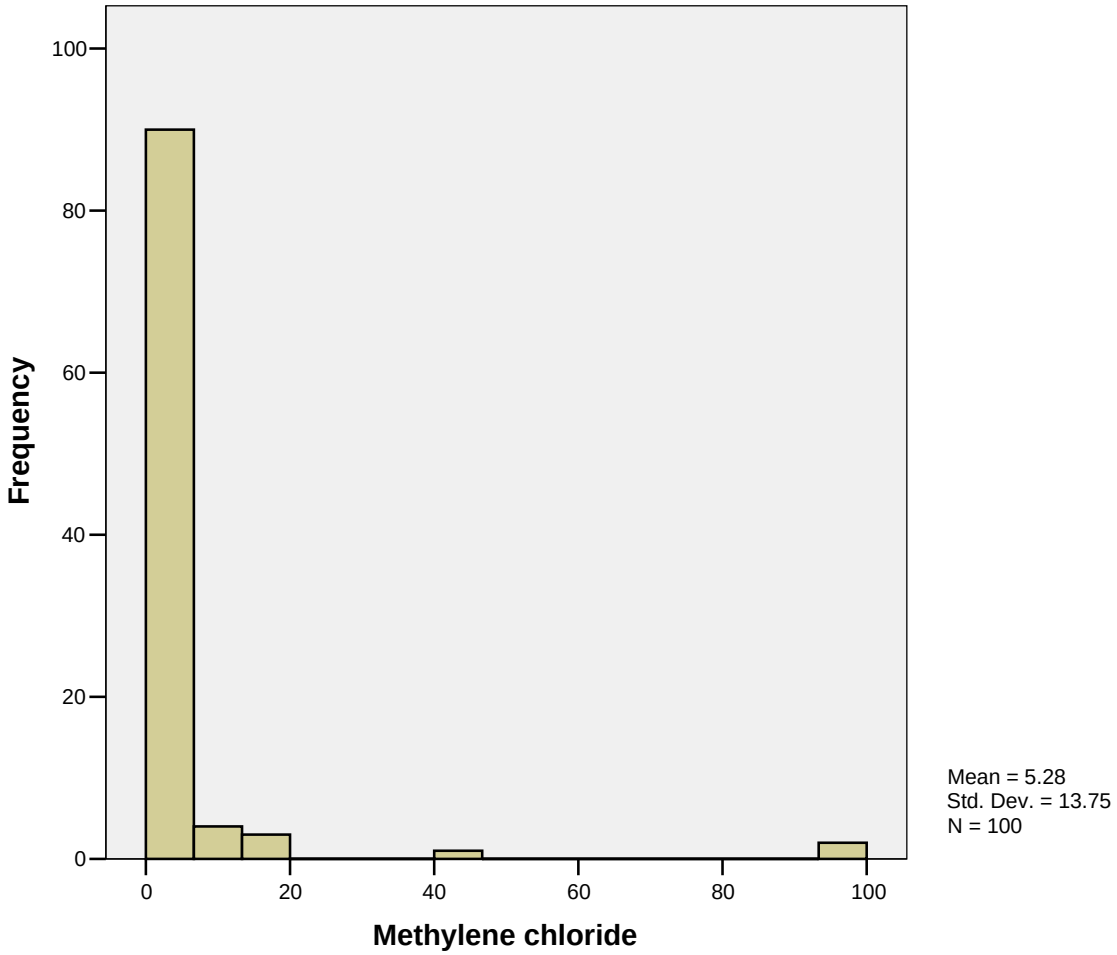

MDL
48 samples above MDL
Frequency
50
40
30
20
10
0
0
5
10
15
20
25
30
4-Ethyltoluene (p-Ethyltoluene)
Mean = 3.7
Std. Dev. = 4.857
N = 100

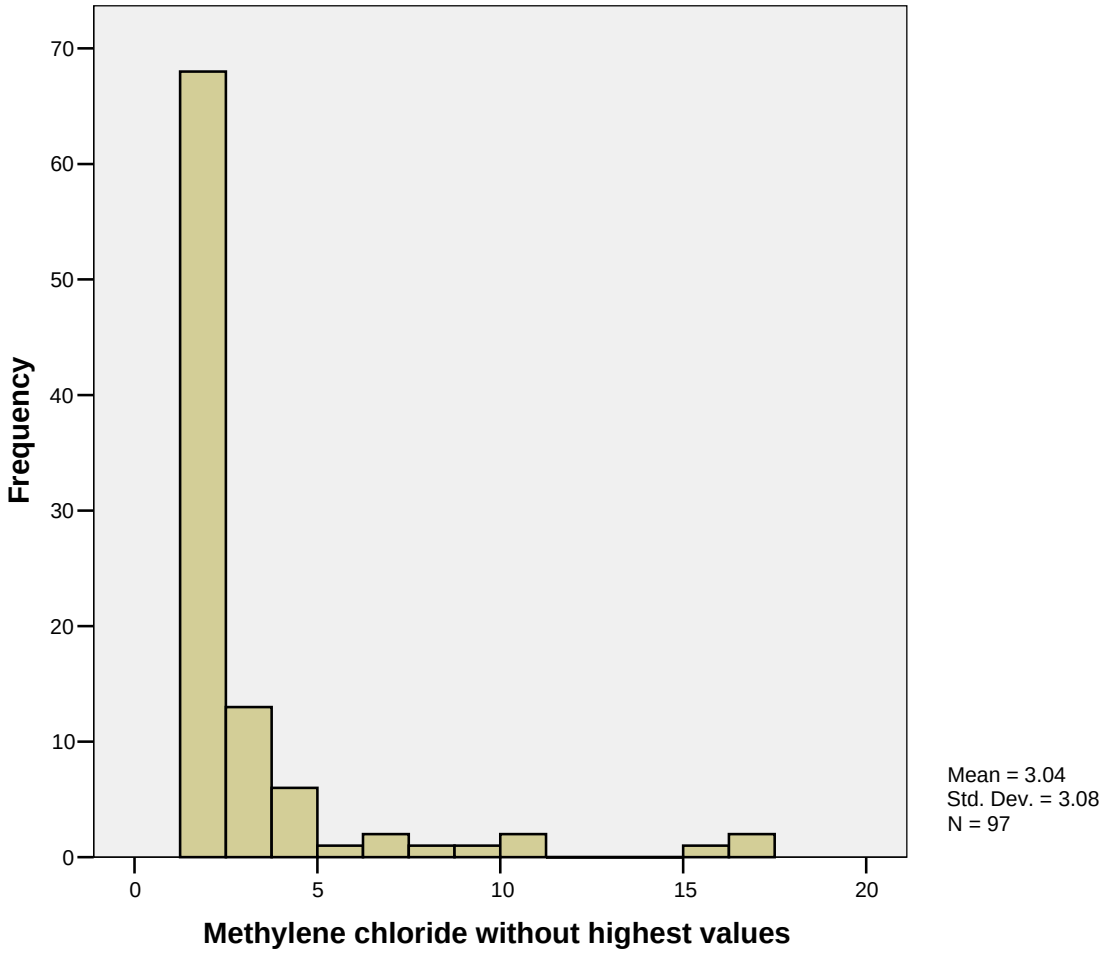

Frequency
70
60
50
40
30
20
10
0
0
10
20
30
40
50
n-Heptane
Mean = 4.43
Std. Dev. = 6.145
N = 100

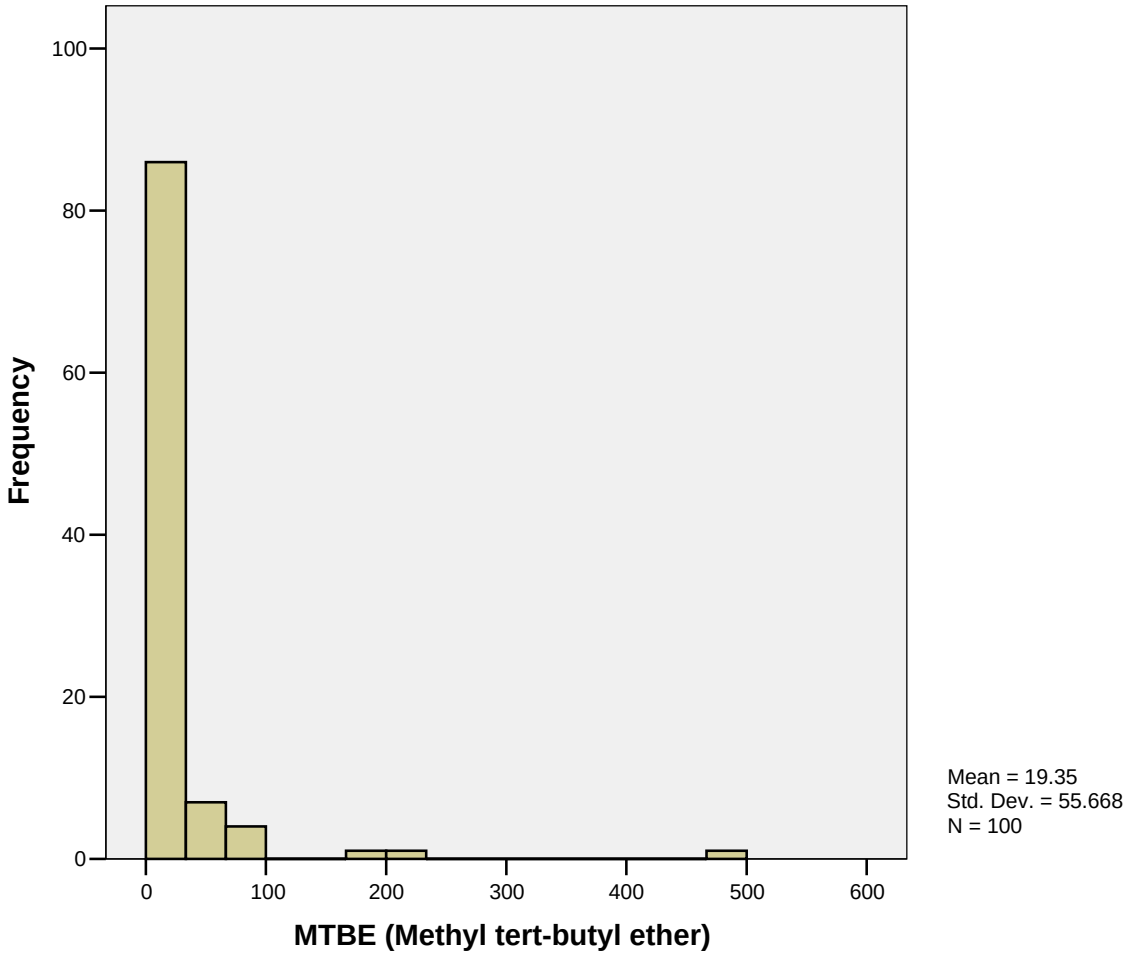

Frequency
50
40
30
20
10
0
0
5
10
15
20
25
n-Heptane without highest value
Mean = 3.98
Std. Dev. = 4.204
N = 99

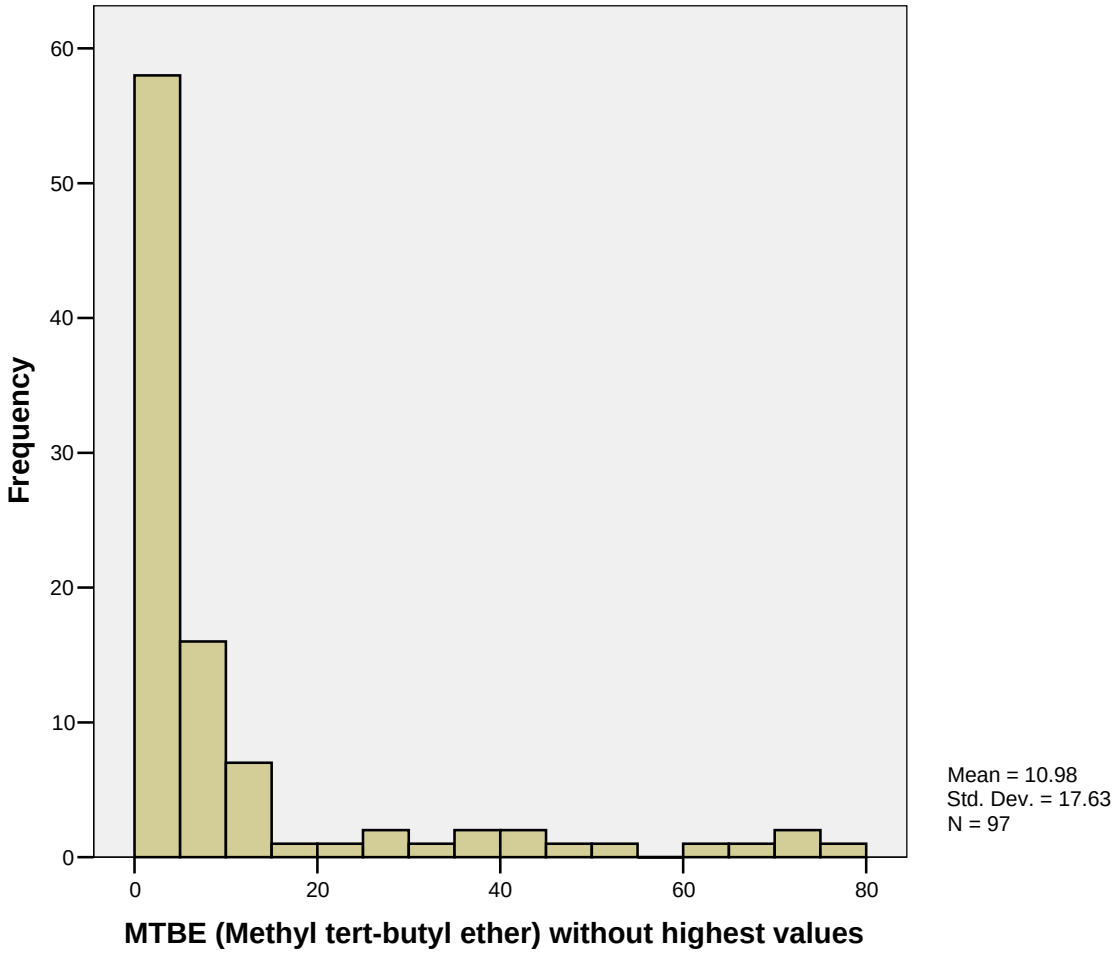

Frequency
100
80
60
40
20
0
0
50
100
150
200
250
300
n-Hexane
Mean = 8.42
Std. Dev. = 27.482
N = 100

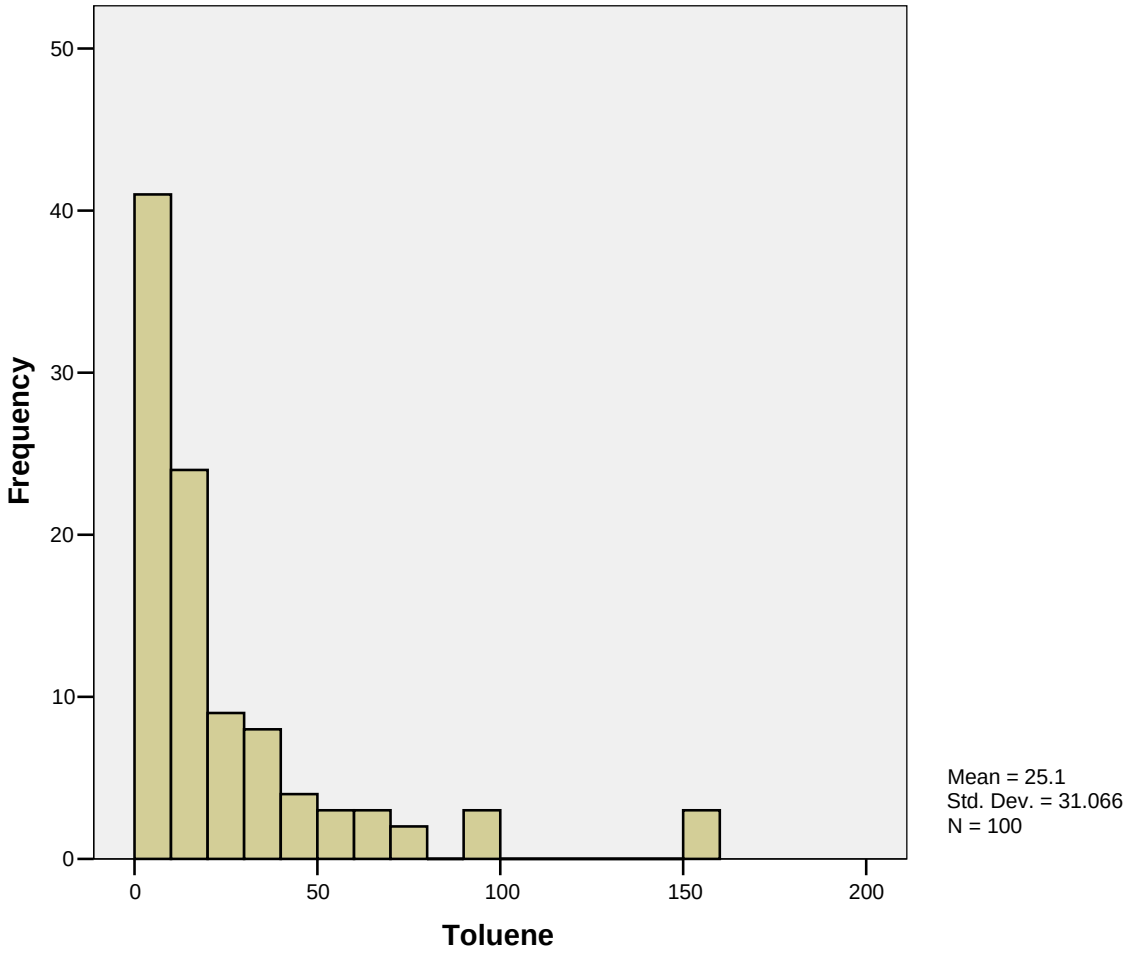

Frequency
50
40
30
20
10
0
0
10
20
30
40
50
n-Hexane without highest value
Mean = 5.78
Std. Dev. = 7.595
N = 99

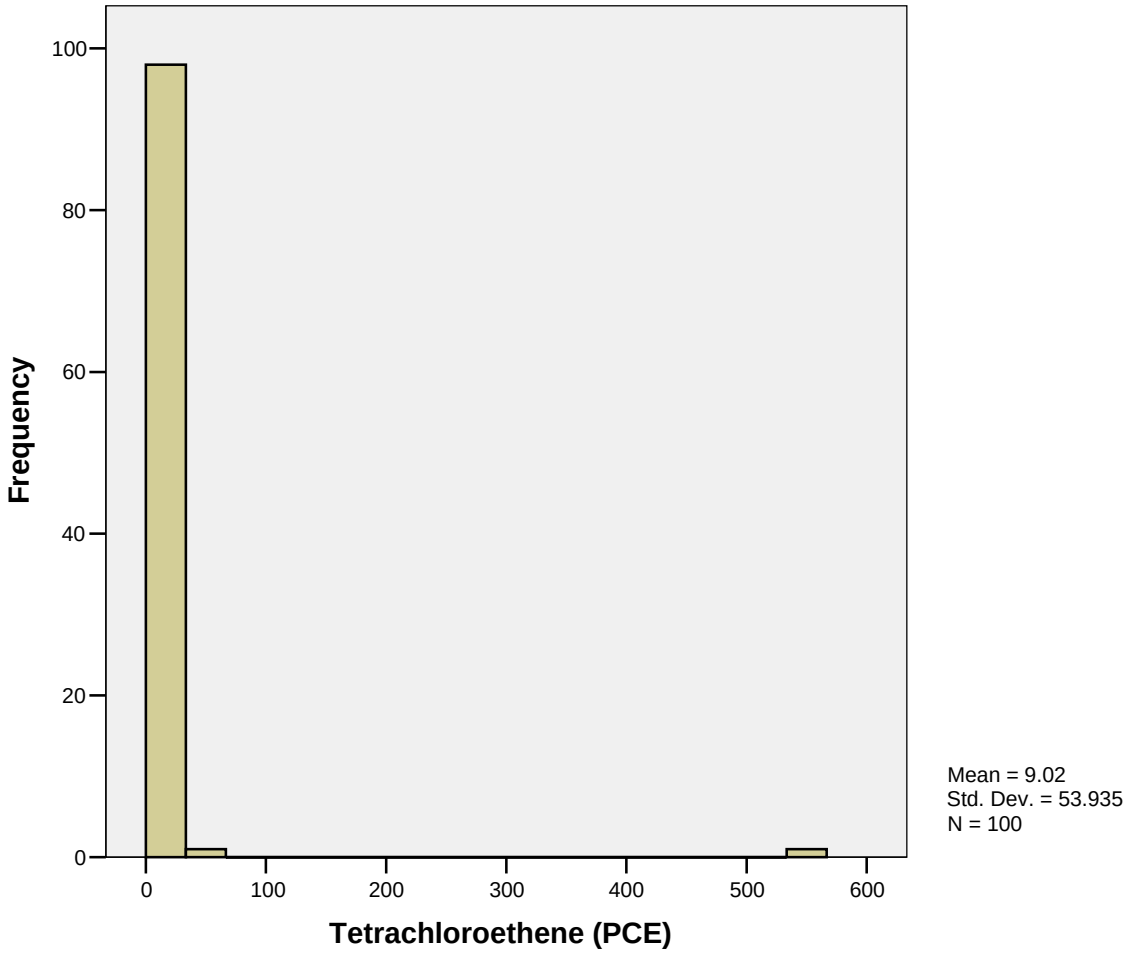

Frequency
100
80
60
40
20
0
0
20
40
60
80
100
Methylene chloride
Mean = 5.28
Std. Dev. = 13.75
N = 100

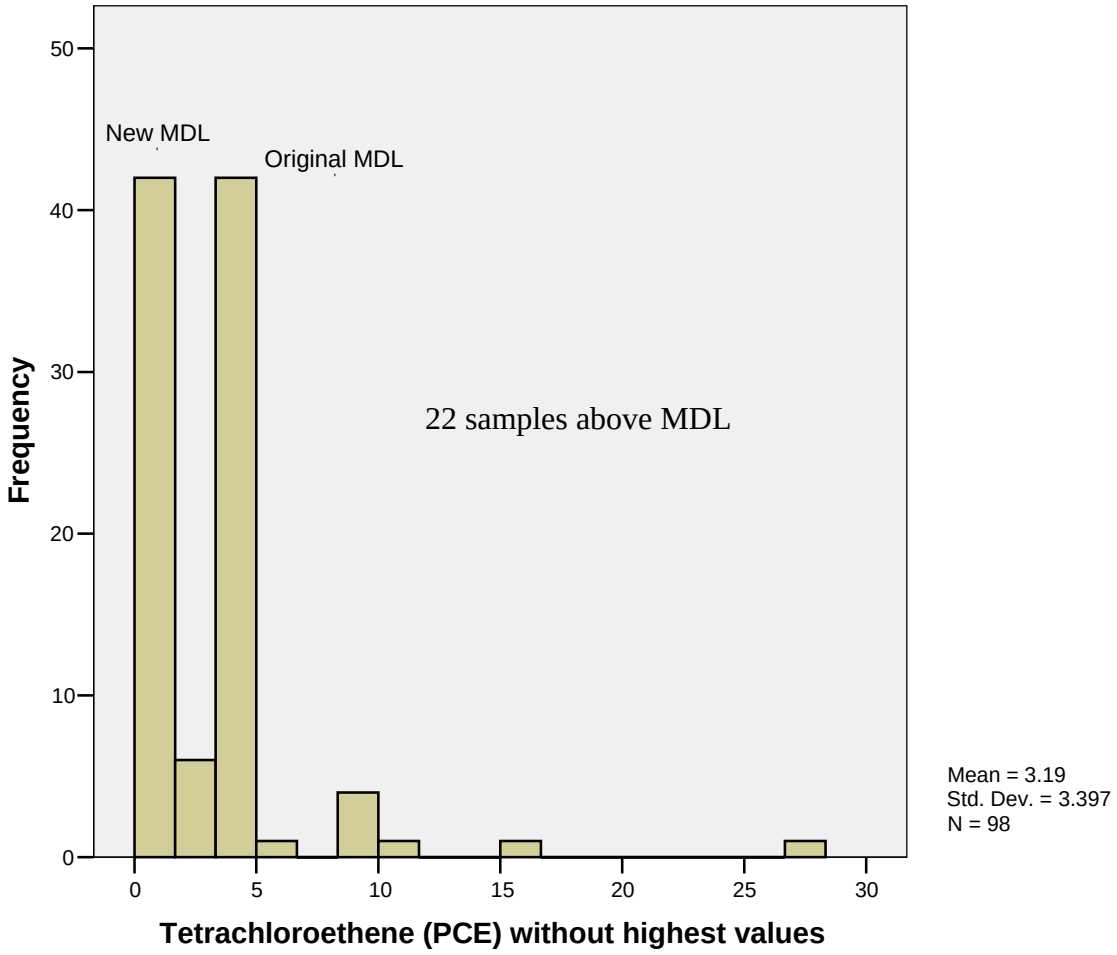

Frequency
70
60
50
40
30
20
10
0
0
5
10
15
20
Methylene chloride without highest values
Mean = 3.04
Std. Dev. = 3.08
N = 97

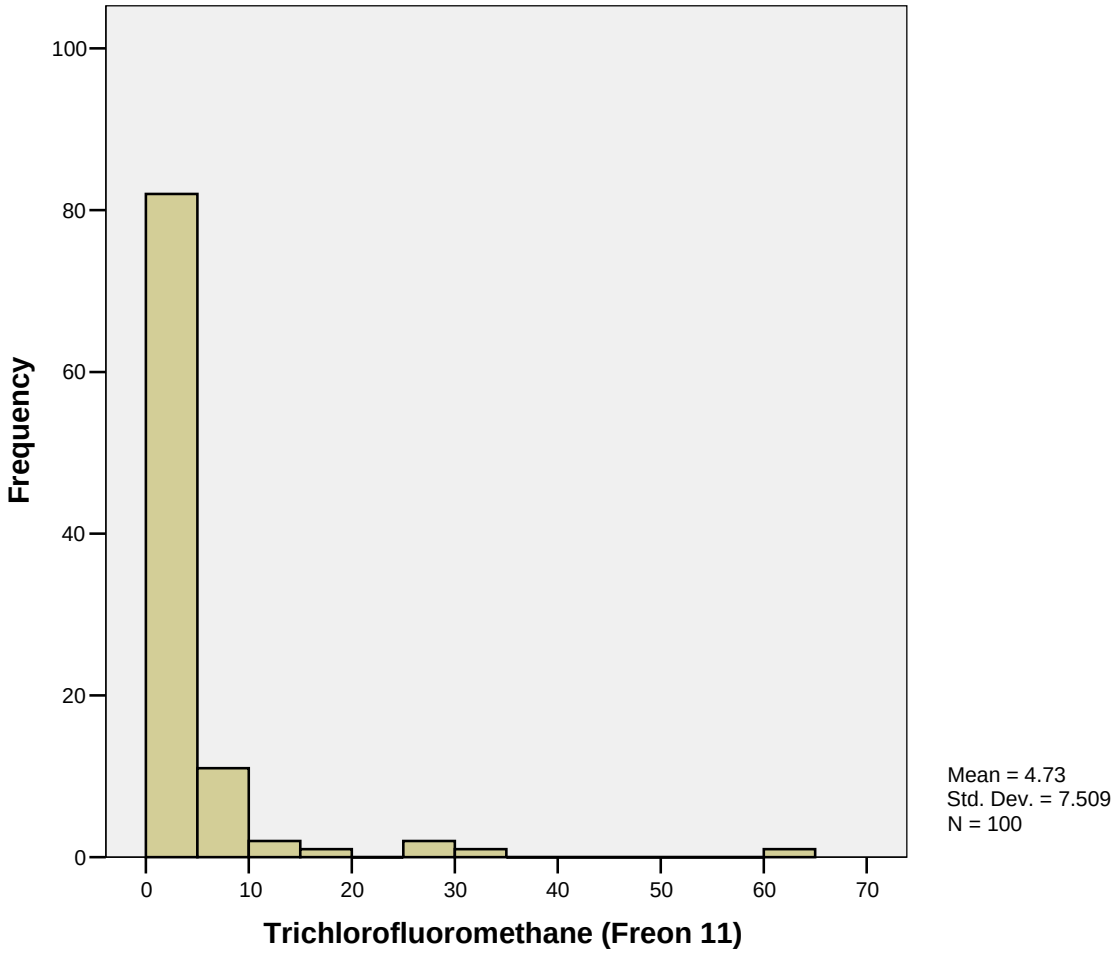

Frequency
100
80
60
40
20
0
0
100
200
300
400
500
600
MTBE (Methyl tert-butyl ether)
Mean = 19.35
Std. Dev. = 55.668
N = 100

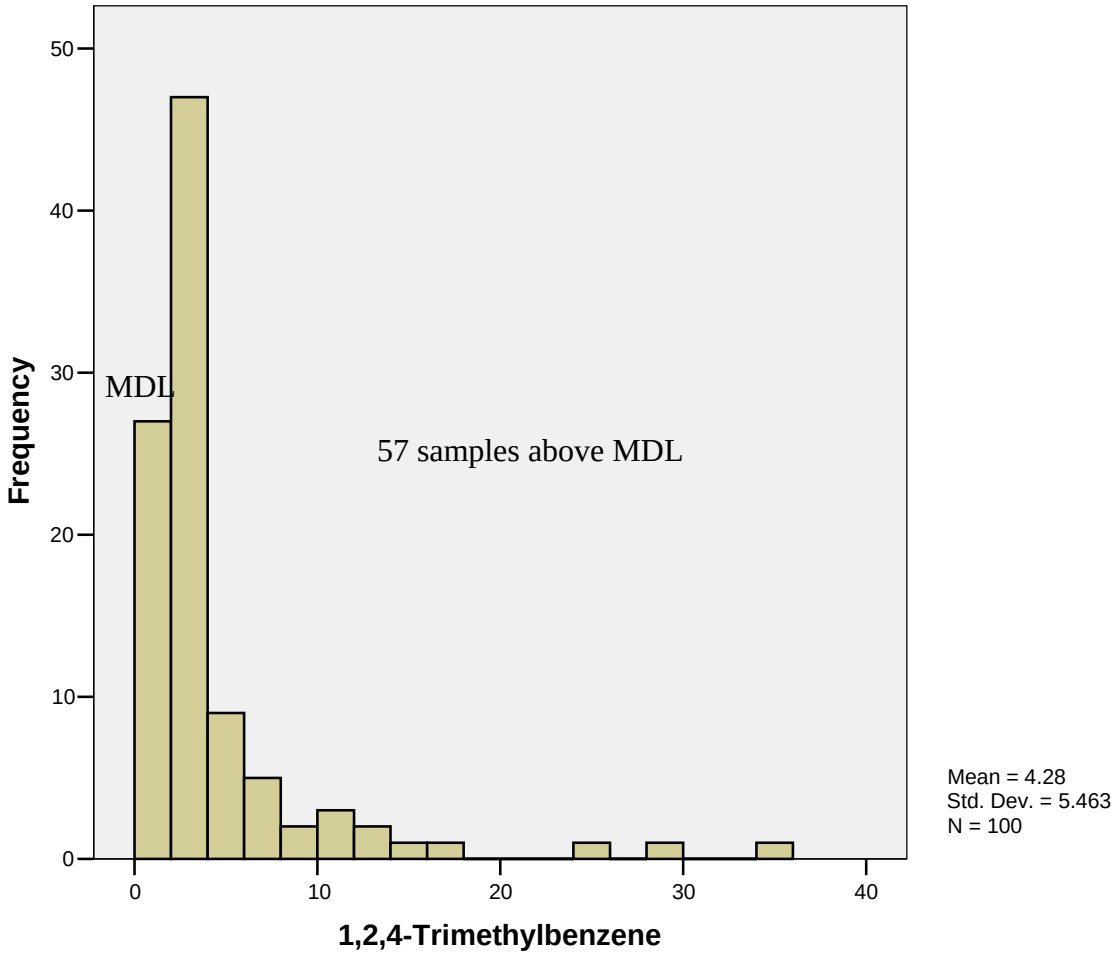

Frequency
60
50
40
30
20
10
0
0
20
40
60
80
MTBE (Methyl tert-butyl ether) without highest values
Mean = 10.98
Std. Dev. = 17.63
N = 97

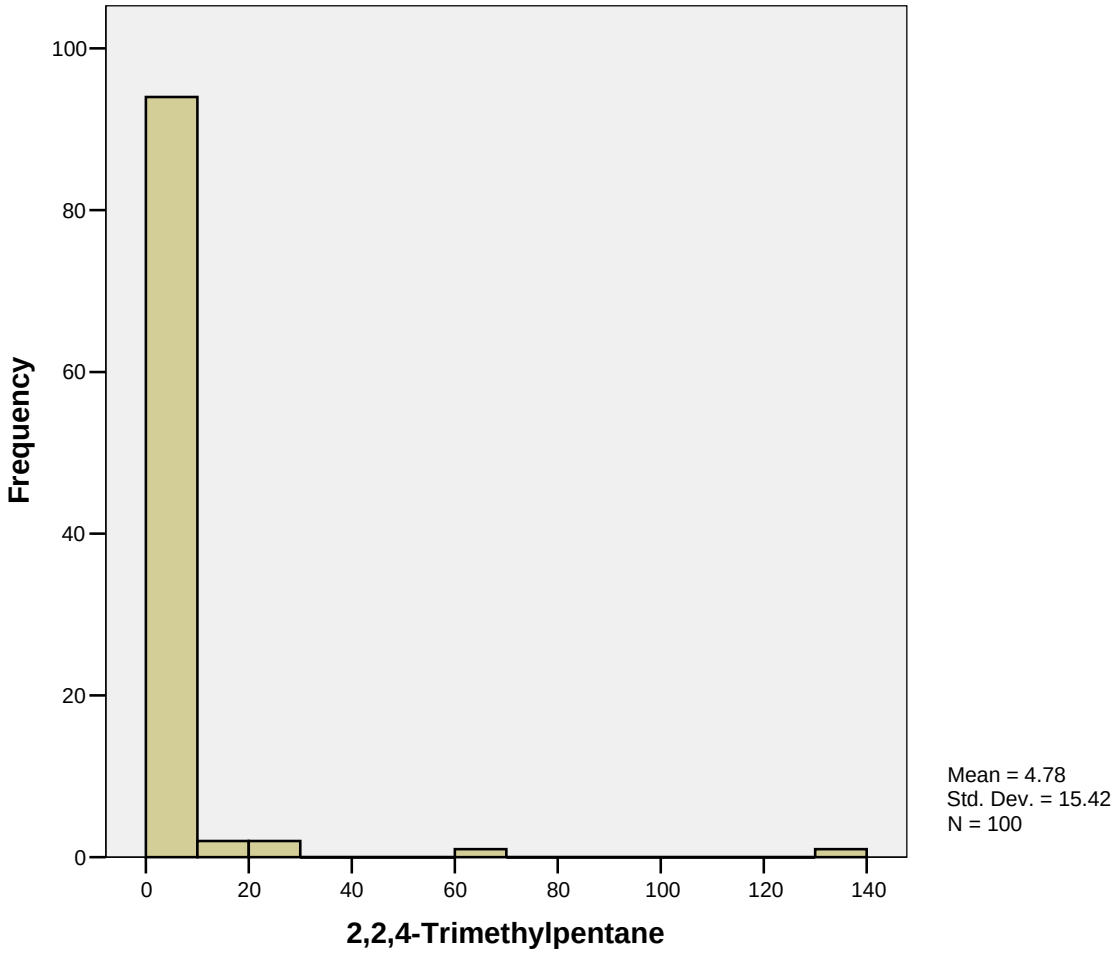

Frequency
50
40
30
20
10
0
0
50
100
150
200
Toluene
Mean = 25.1
Std. Dev. = 31.066
N = 100

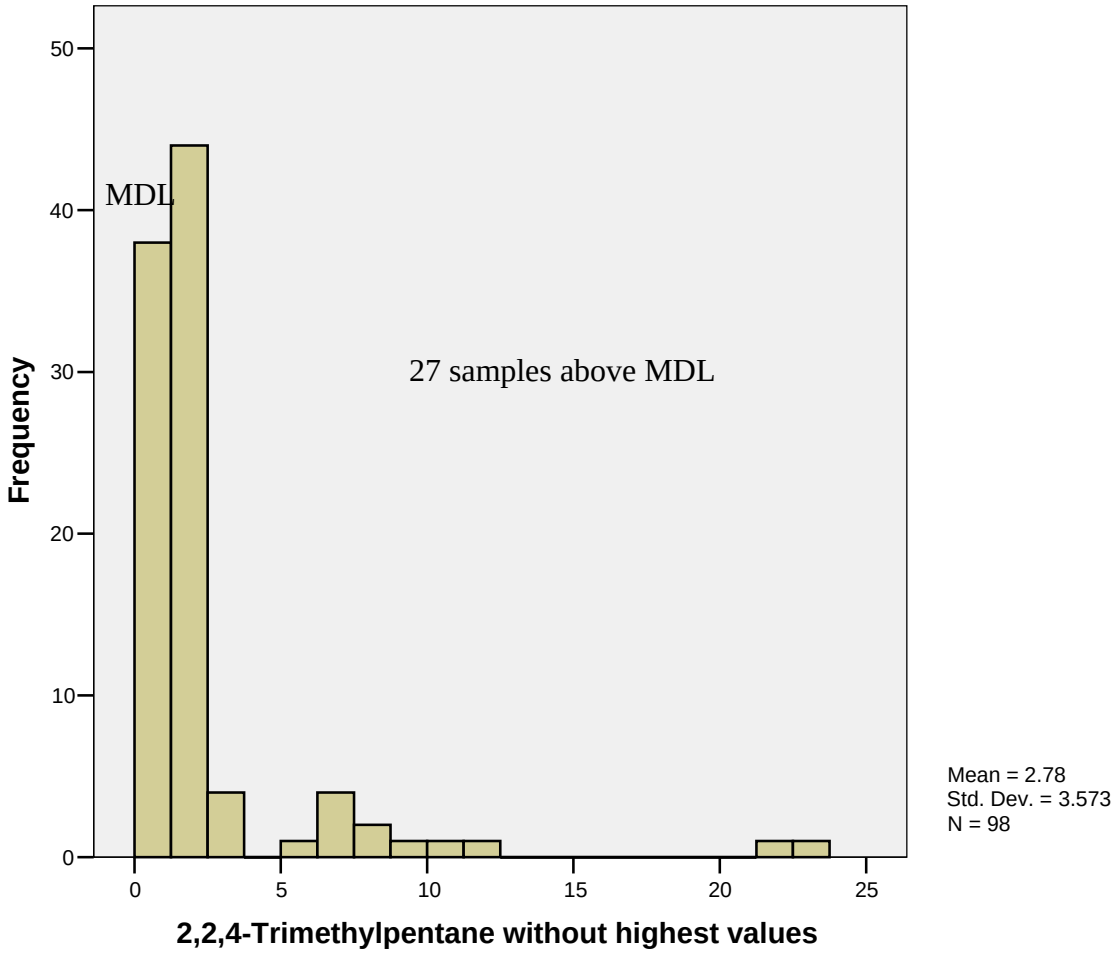

Frequency
100
80
60
40
20
0
0
100
200
300
400
500
600
Tetrachloroethene (PCE)
Mean = 9.02
Std. Dev. = 53.935
N = 100

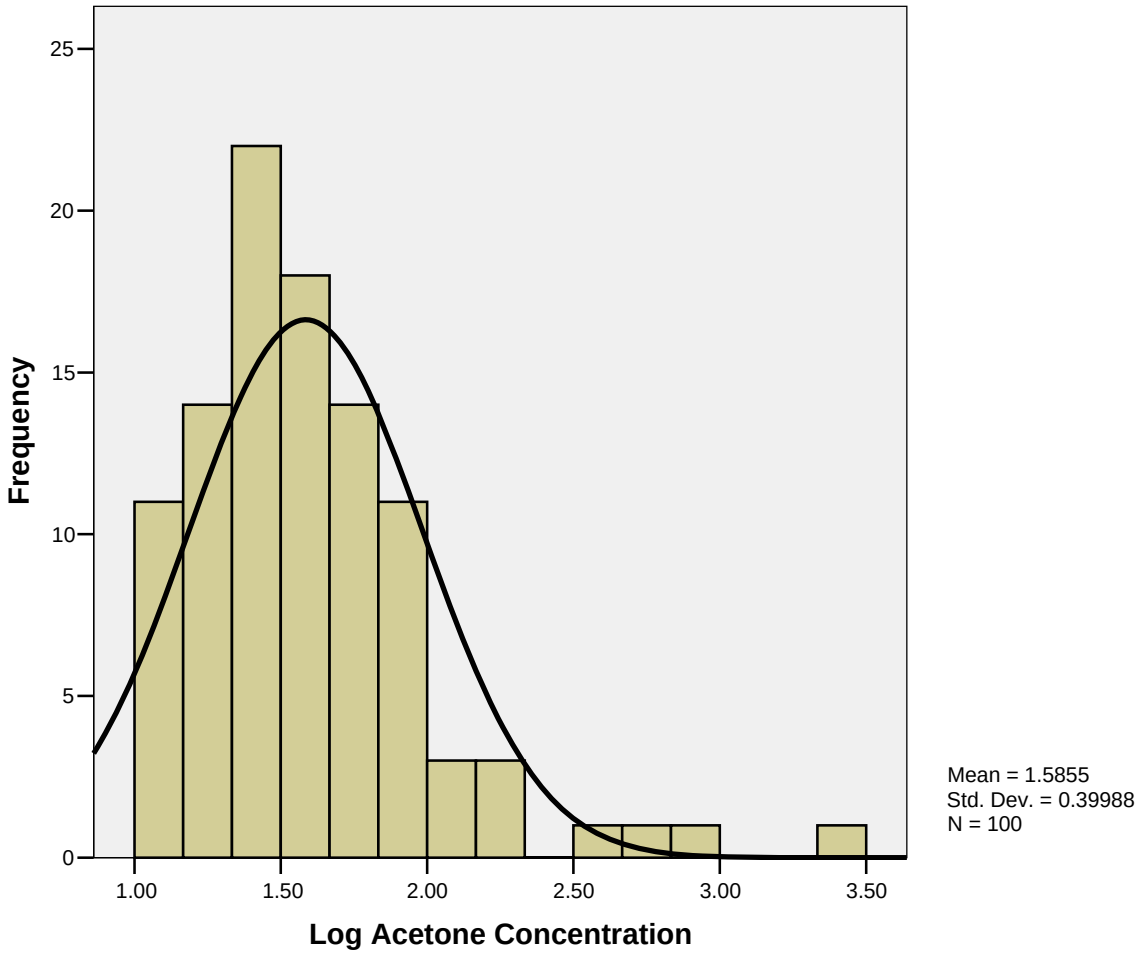

New MDL
Original MDL
22 samples above MDL
Frequency
50
40
30
20
10
0
0
5
10
15
20
25
30
Tetrachloroethene (PCE) without highest values
Mean = 3.19
Std. Dev. = 3.397
N = 98

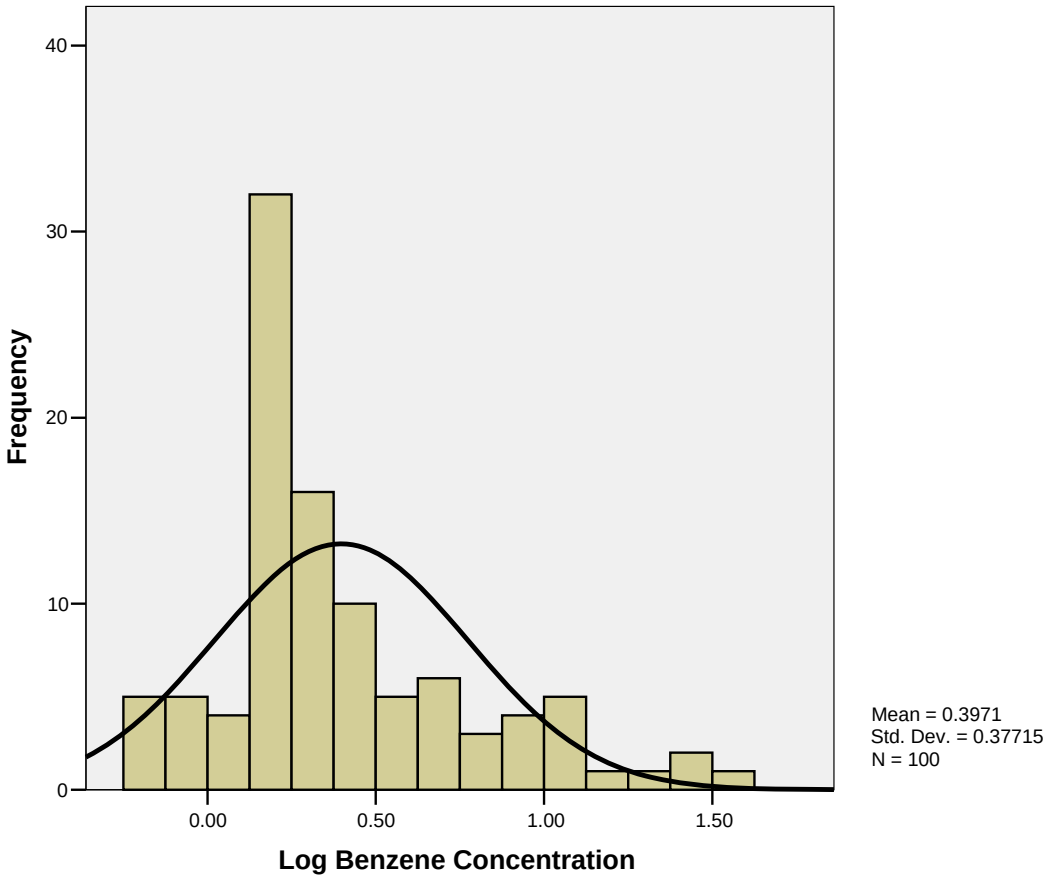

Frequency
100
80
60
40
20
0
0
10
20
30
40
50
60
70
Trichlorofluoromethane (Freon 11)
Mean = 4.73
Std. Dev. = 7.509
N = 100

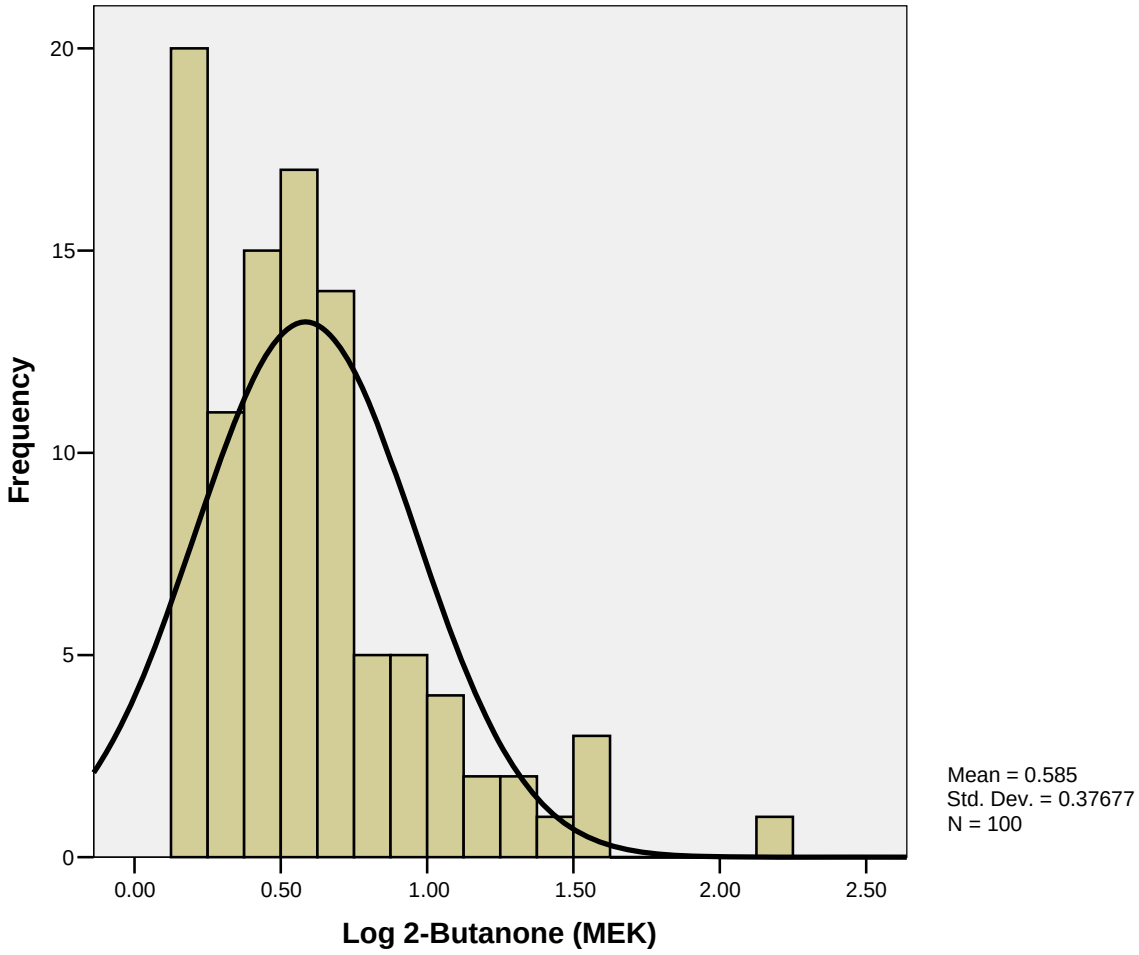

Frequency
50
40
30
20
10
0
MDL
57 samples above MDL
0
10
20
30
40
1,2,4-Trimethylbenzene
Mean = 4.28
Std. Dev. = 5.463
N = 100

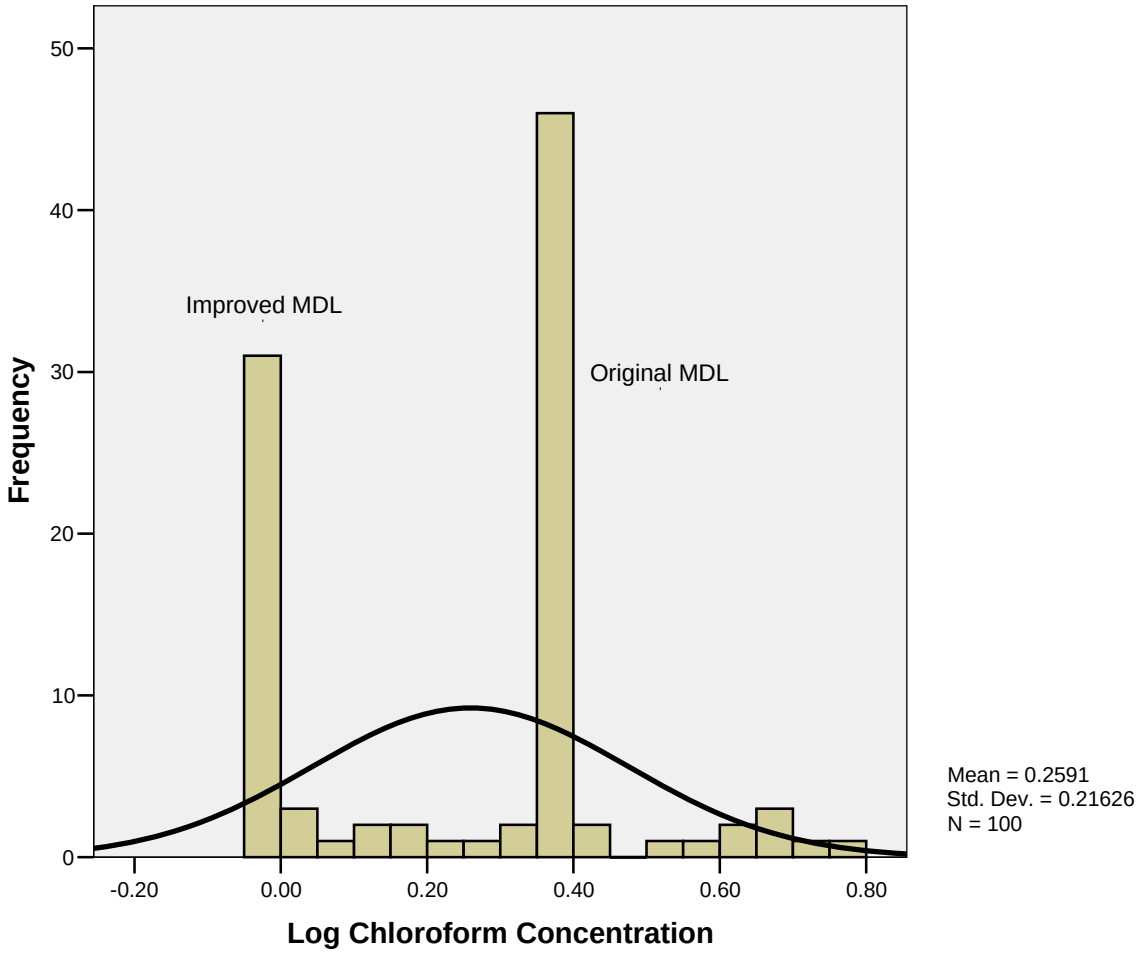

Frequency
100
80
60
40
20
0
0
20
40
60
80
100
120
140
2,2,4-Trimethylpentane
Mean = 4.78
Std. Dev. = 15.42
N = 100

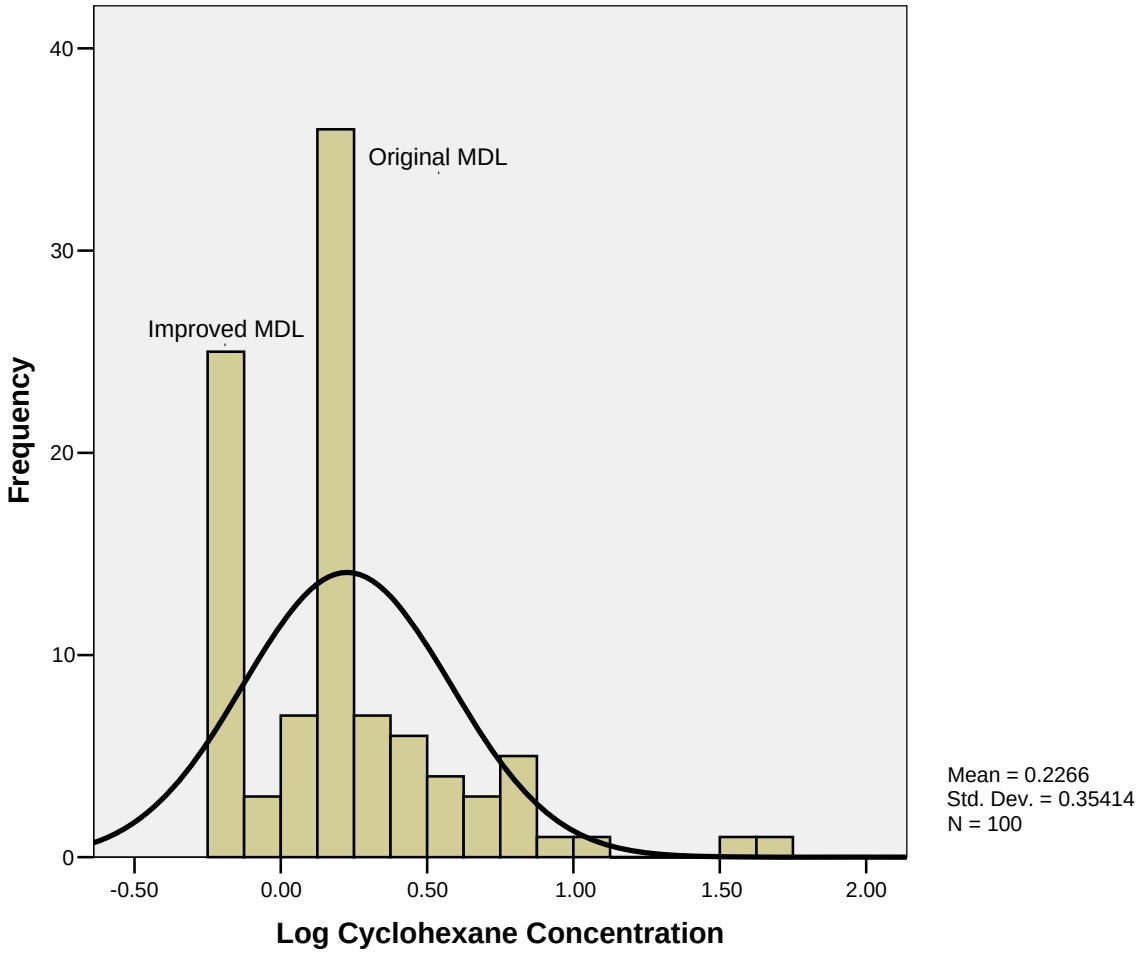

MDL
27 samples above MDL
Frequency
50
40
30
20
10
0
0
5
10
15
20
25
2,2,4-Trimethylpentane without highest values
Mean = 2.78
Std. Dev. = 3.573
N = 98

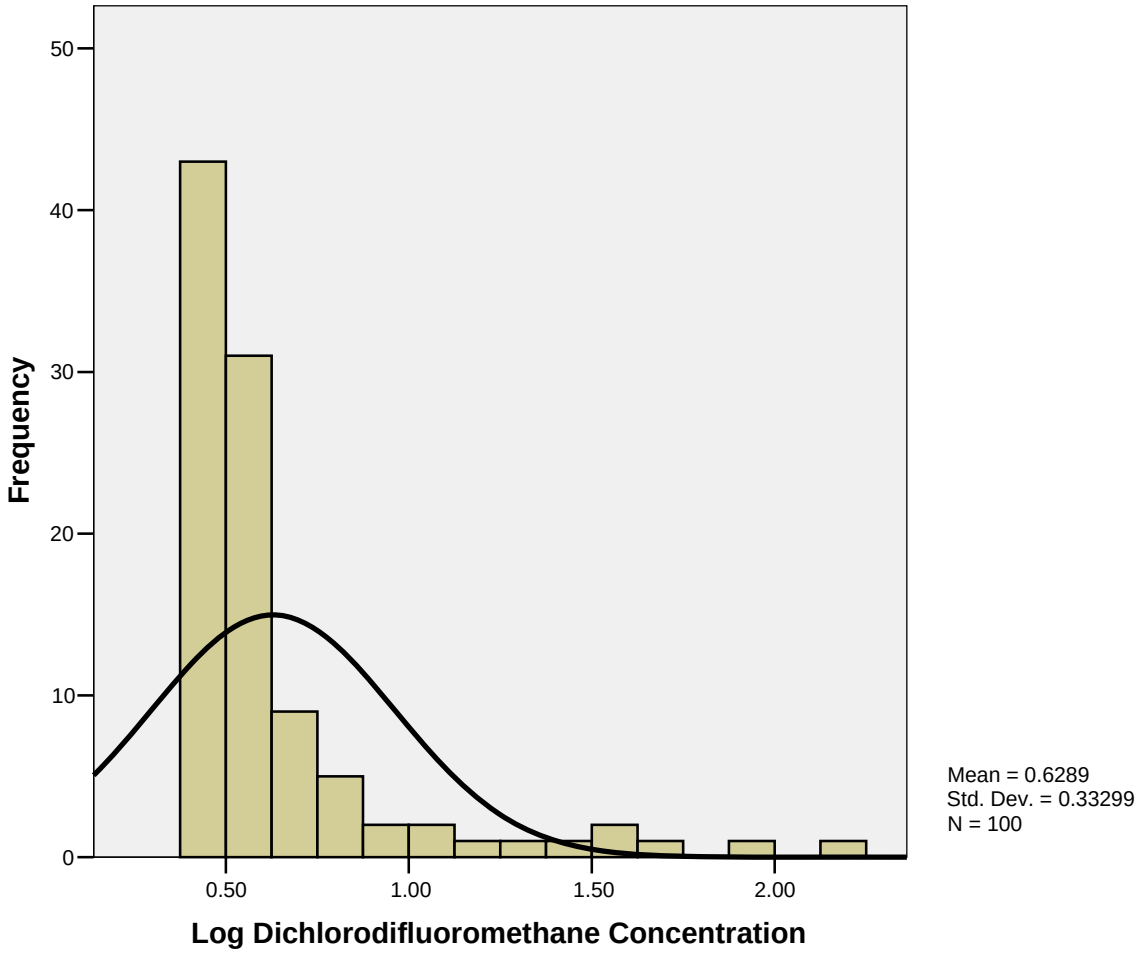

25
20
15
10
5
0
Frequency
1.00
1.50
2.00
2.50
3.00
3.50
Log Acetone Concentration
Mean = 1.5855
Std. Dev. = 0.39988
N = 100

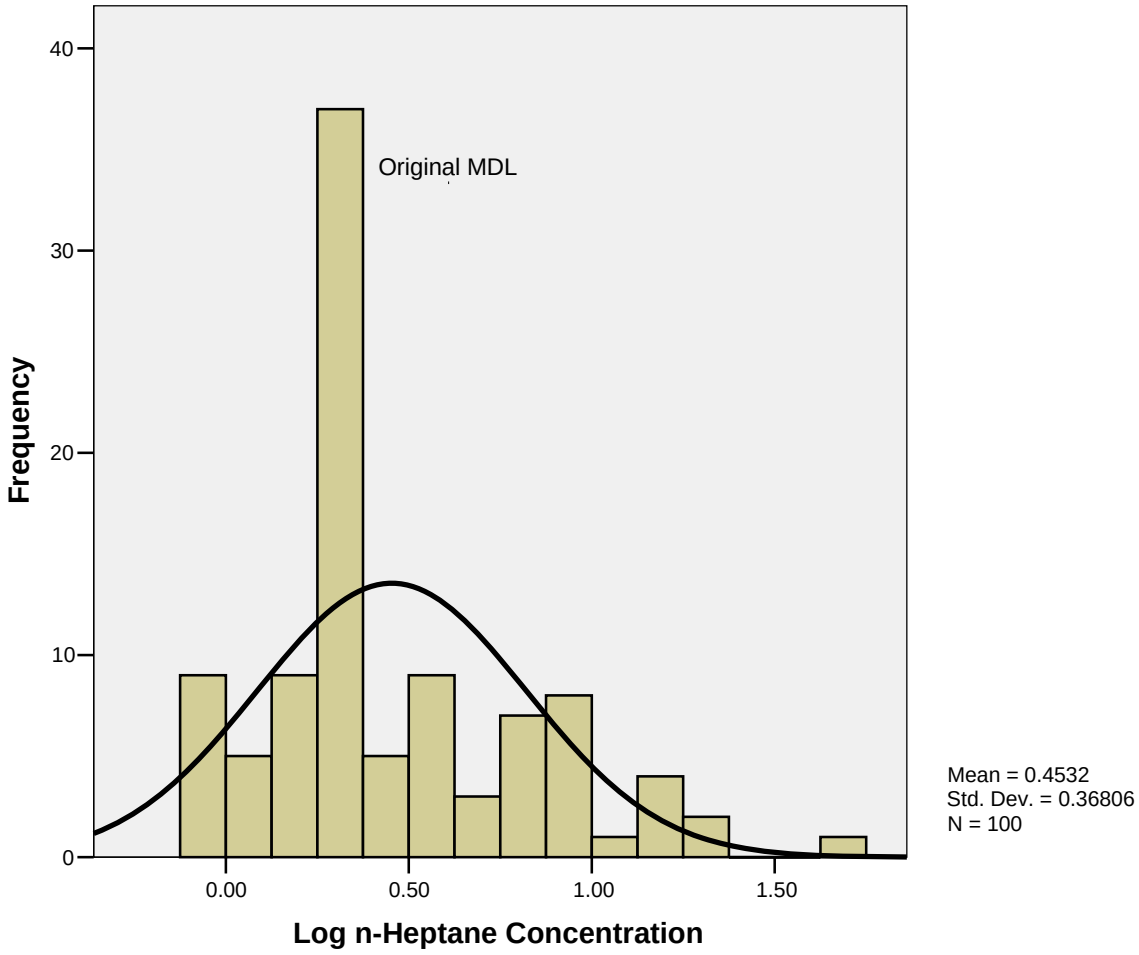

40
30
20
10
0
Frequency
0.00
0.50
1.00
1.50
Log Benzene Concentration
Mean = 0.3971
Std. Dev. = 0.37715
N = 100

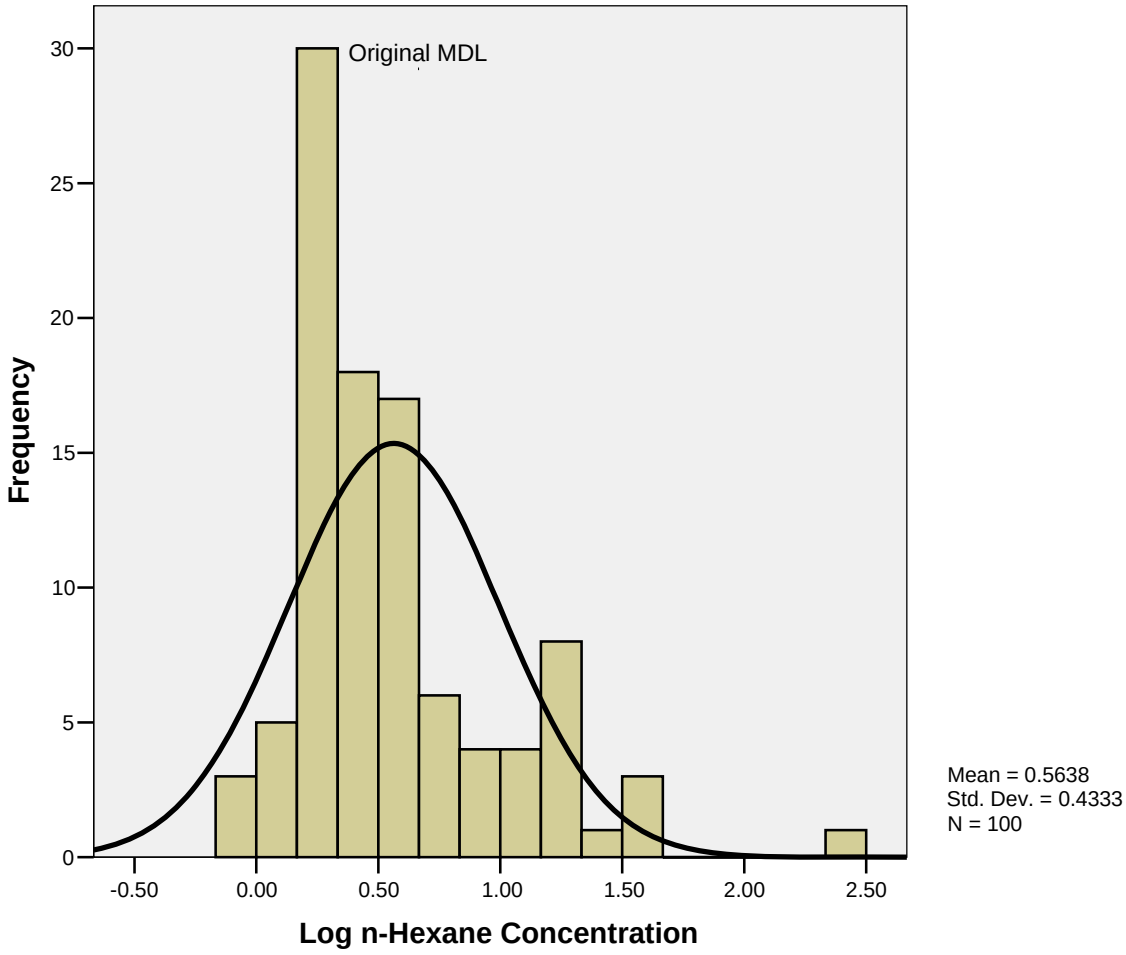

20
15
10
5
0
Frequency
0.00
0.50
1.00
1.50
2.00
2.50
Log 2-Butanone (MEK)
Mean = 0.585
Std. Dev. = 0.37677
N = 100

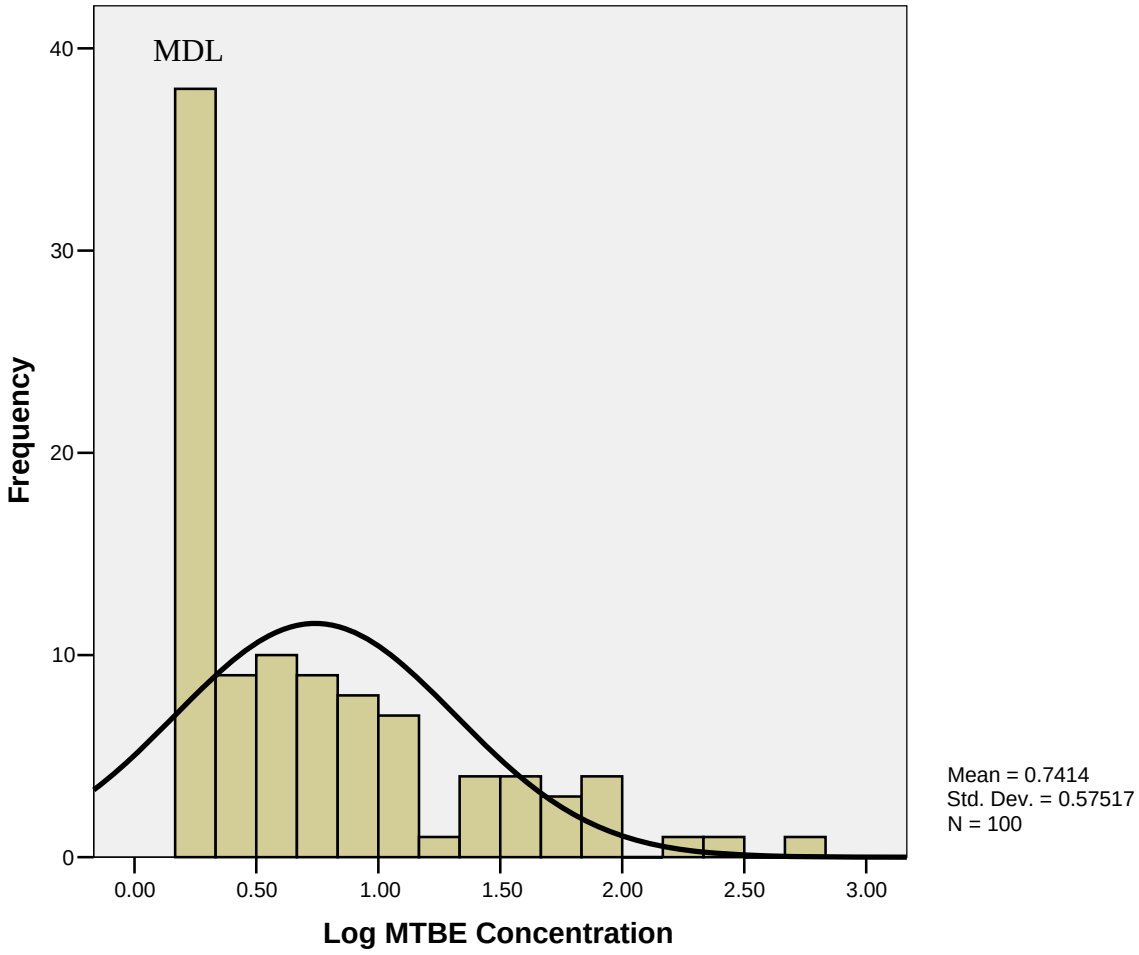

Improved MDL
Original MDL
Frequency
50
40
30
20
10
0
-0.20
0.00
0.20
0.40
0.60
0.80
Log Chloroform Concentration
Mean = 0.2591
Std. Dev. = 0.21626
N = 100

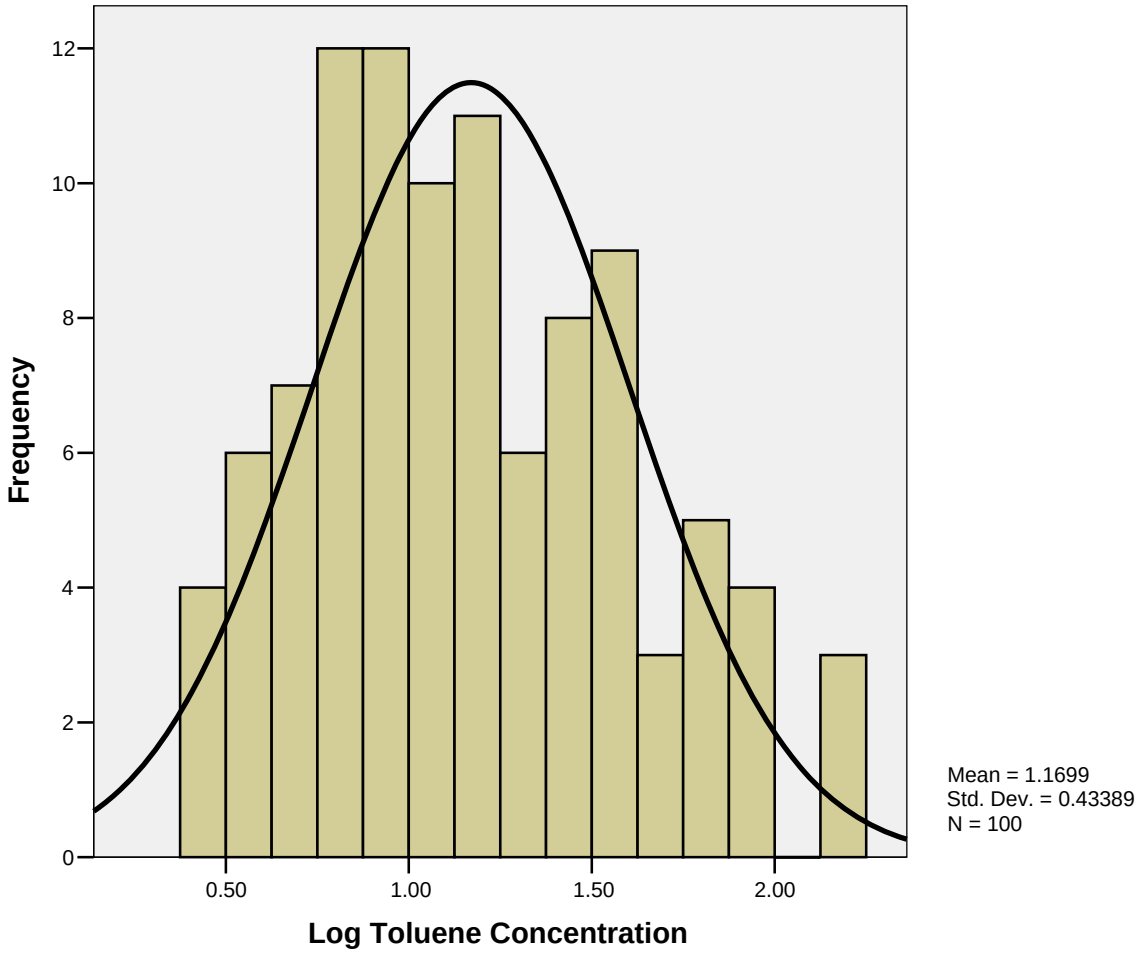

Original MDL
Improved MDL
Frequency
40
30
20
10
0
-0.50
0.00
0.50
1.00
1.50
2.00
Log Cyclohexane Concentration
Mean = 0.2266
Std. Dev. = 0.35414
N = 100

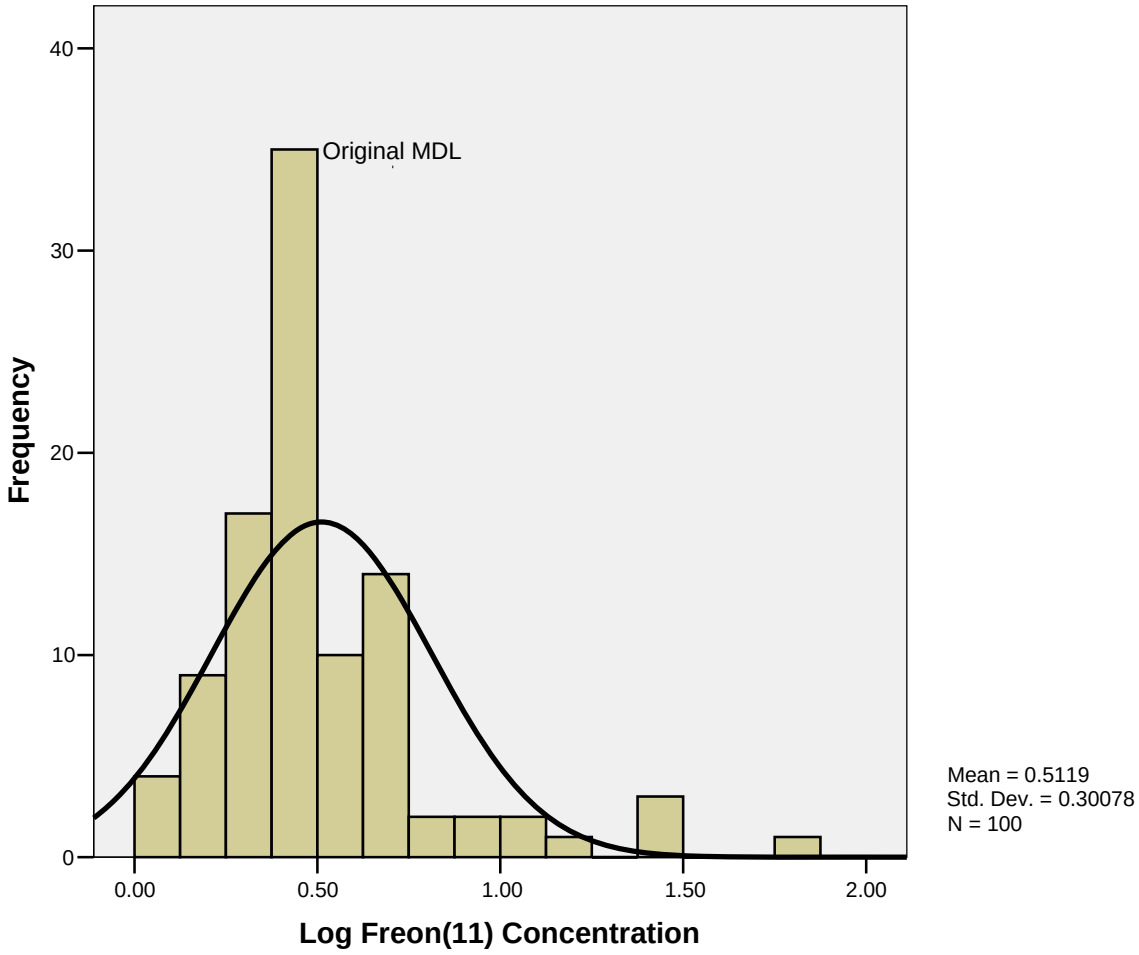

Frequency
50
40
30
20
10
0
0.50
1.00
1.50
2.00
Log Dichlorodifluoromethane Concentration
Mean = 0.6289
Std. Dev. = 0.33299
N = 100

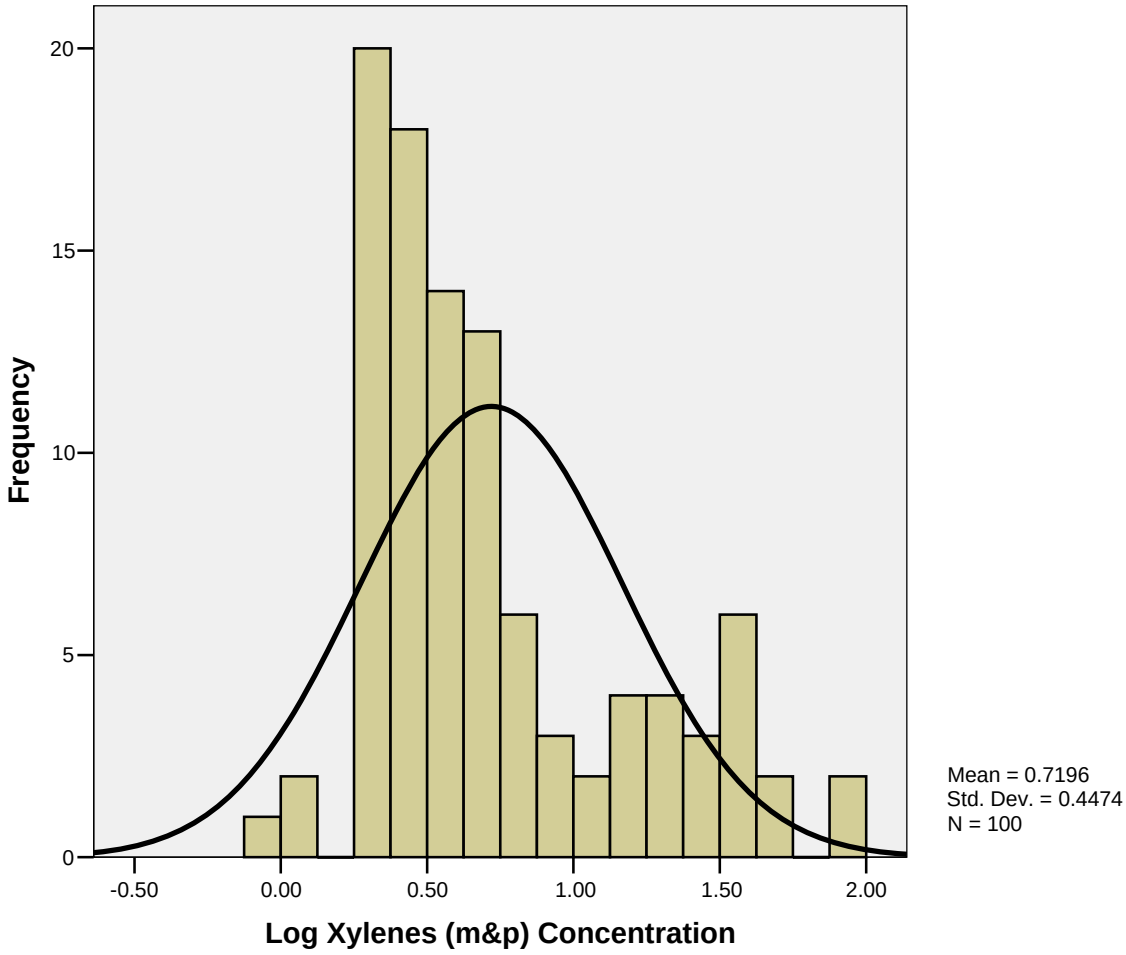

Original MDL
Frequency
40
30
20
10
0
0.00
0.50
1.00
1.50
Log n-Heptane Concentration
Mean = 0.4532
Std. Dev. = 0.36806
N = 100

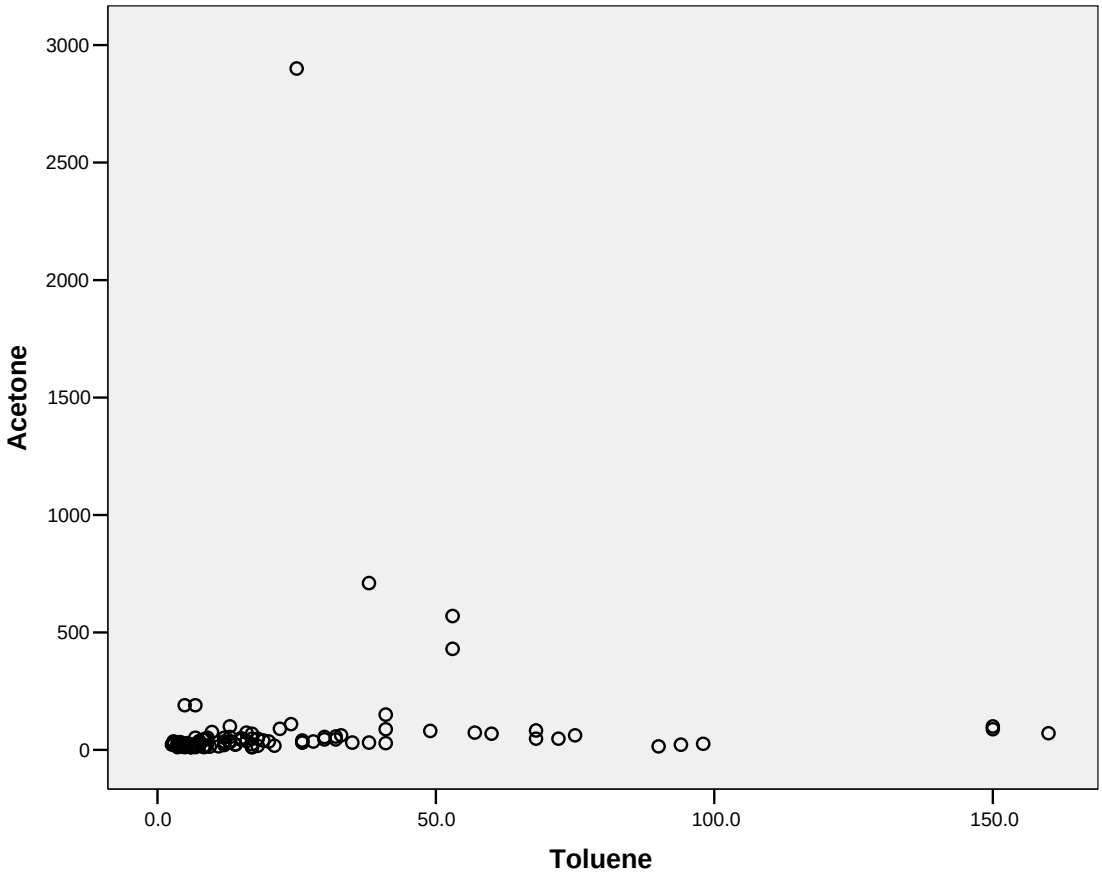

Original MDL
Frequency
30
25
20
15
10
5
0
-0.50
0.00
0.50
1.00
1.50
2.00
2.50
Log n-Hexane Concentration
Mean = 0.5638
Std. Dev. = 0.4333
N = 100

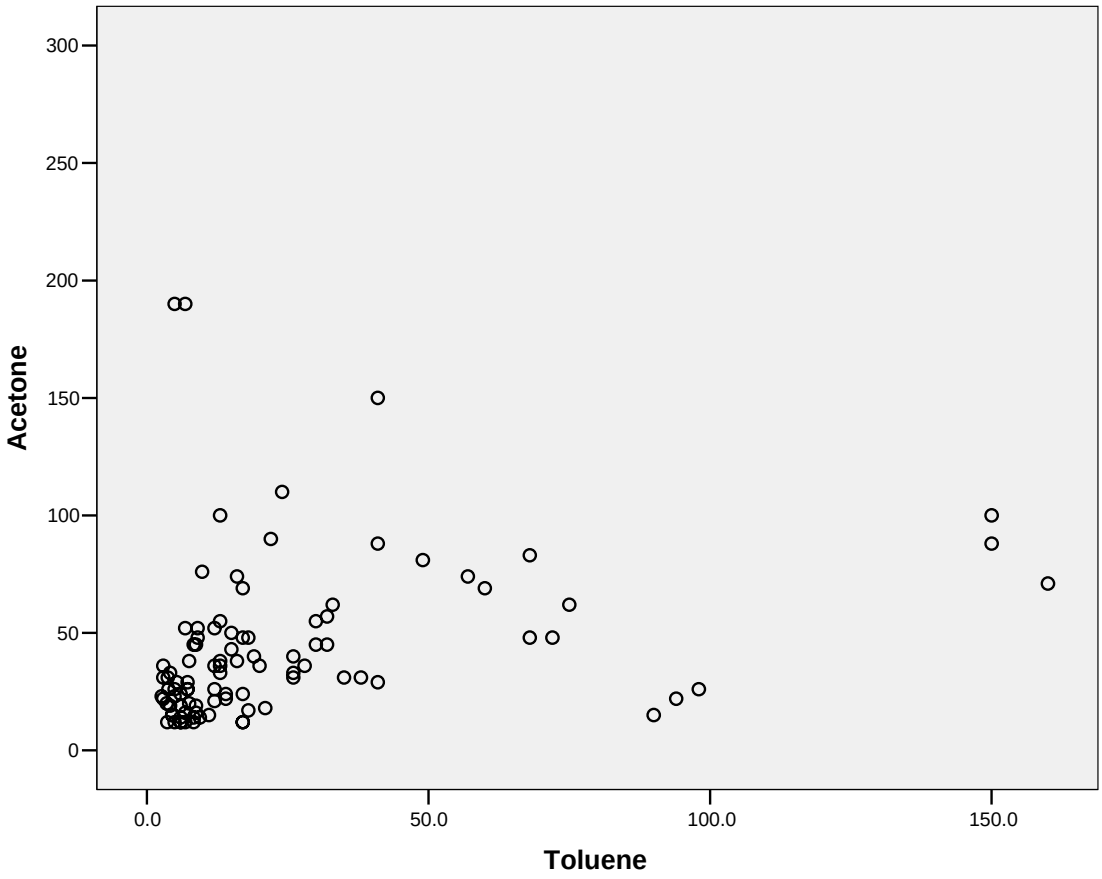

MDL
Frequency
40
30
20
10
0
0.00
0.50
1.00
1.50
2.00
2.50
3.00
Log MTBE Concentration
Mean = 0.7414
Std. Dev. = 0.57517
N = 100

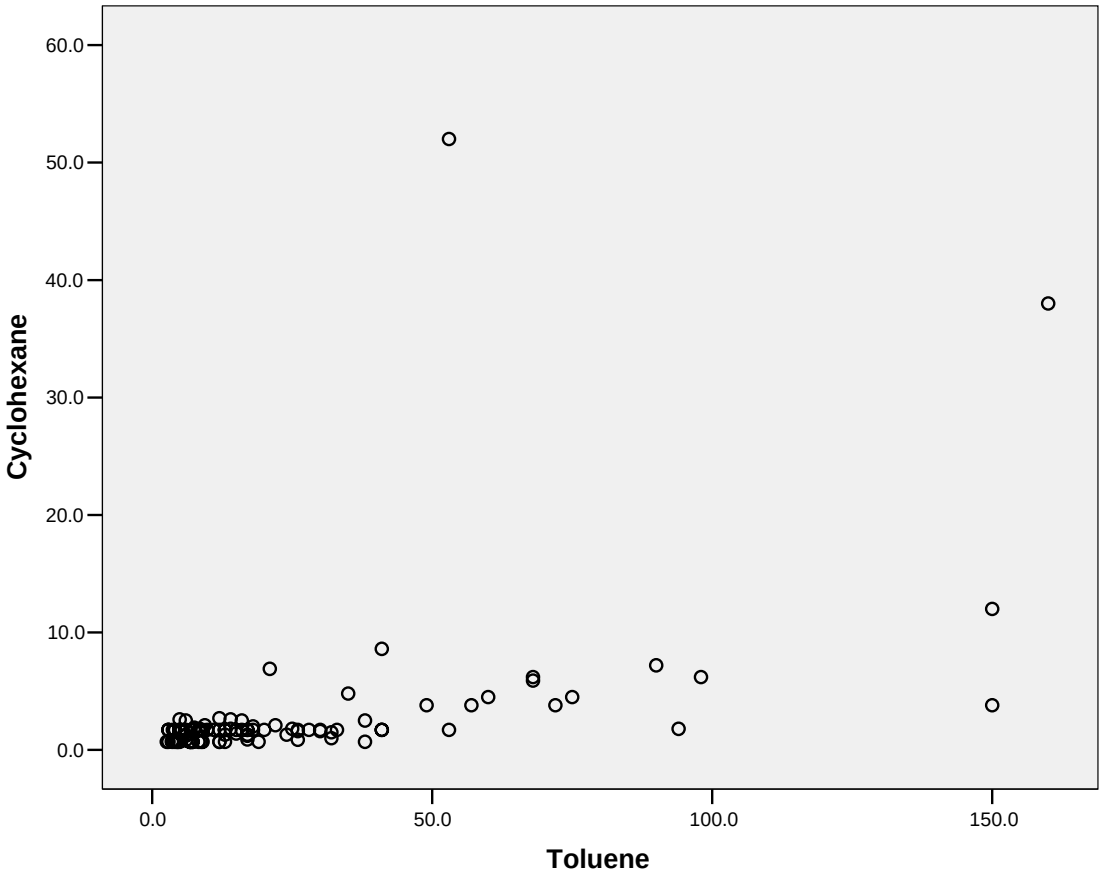

Frequency
12
10
8
6
4
2
0
0.50
1.00
1.50
2.00
Log Toluene Concentration
Mean = 1.1699
Std. Dev. = 0.43389
N = 100

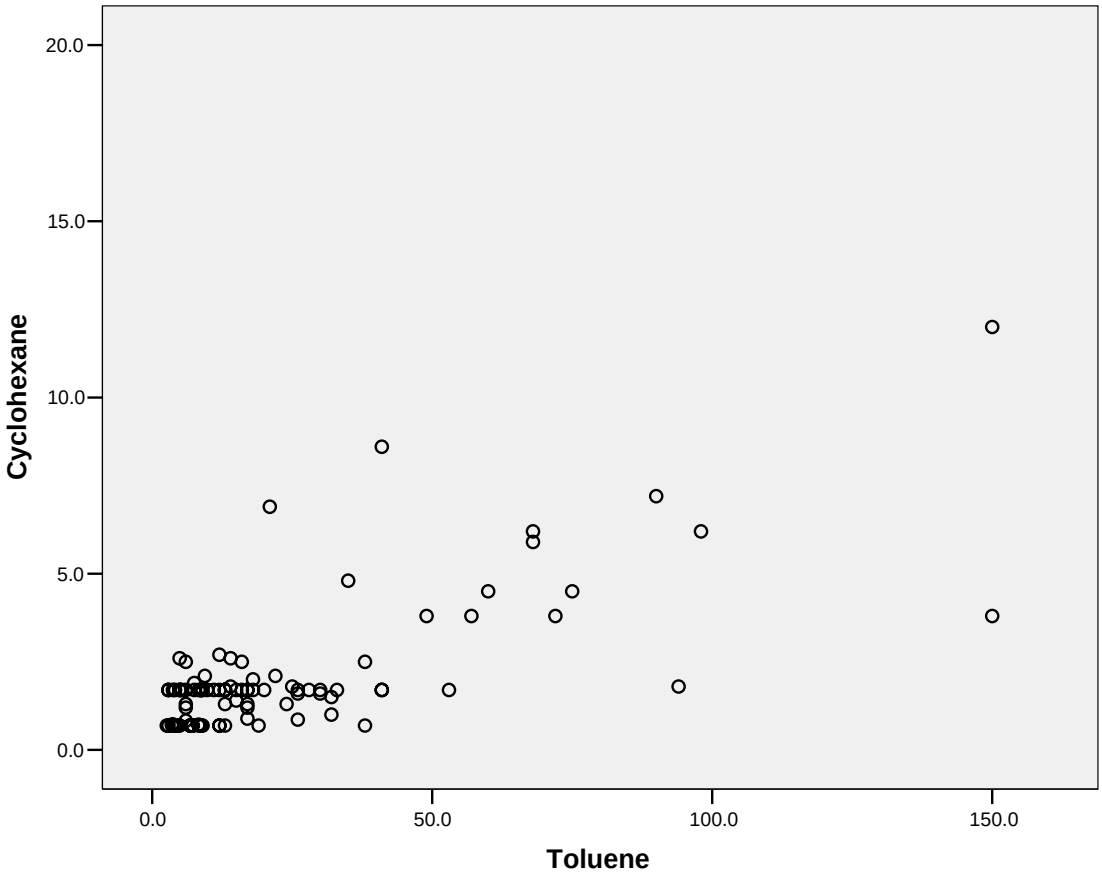

Original MDL
Frequency
40
30
20
10
0
0.00
0.50
1.00
1.50
2.00
Log Freon(11) Concentration
Mean = 0.5119
Std. Dev. = 0.30078
N = 100

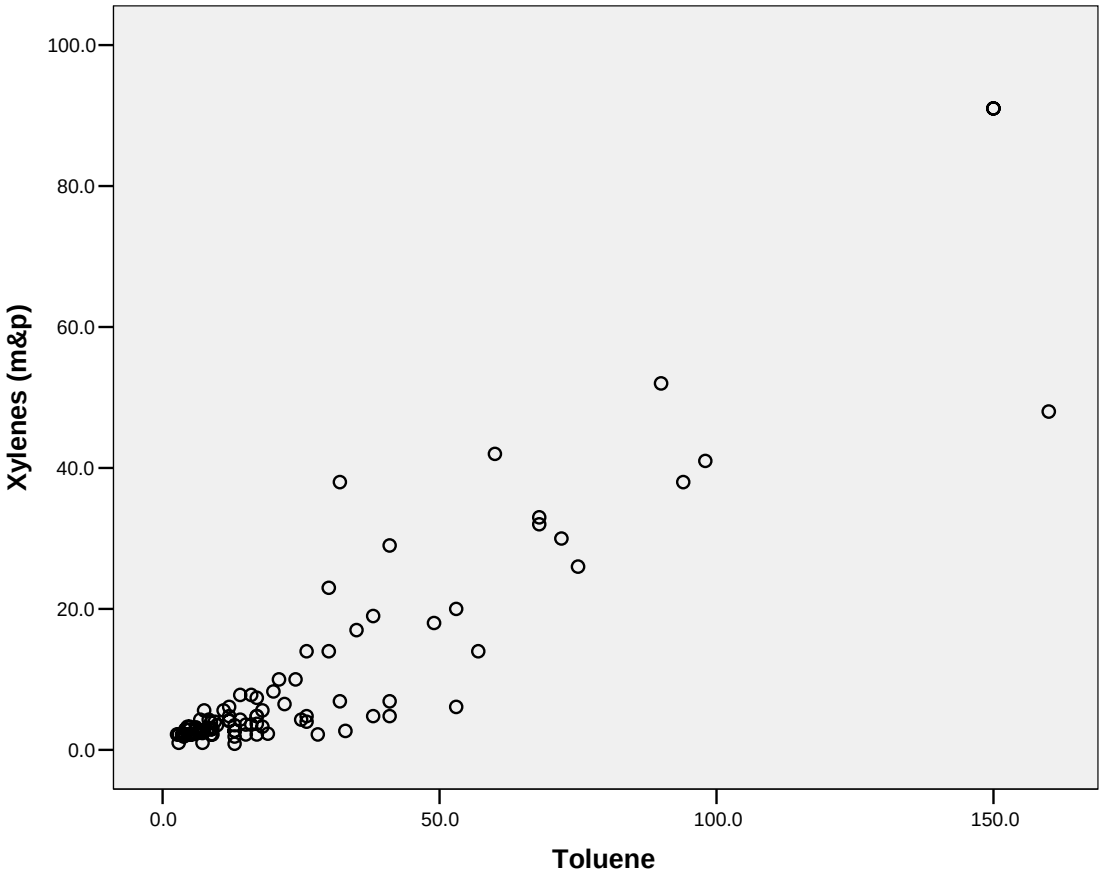

Frequency
20
15
10
5
0
-0.50
0.00
0.50
1.00
1.50
2.00
Log Xylenes (m&p) Concentration
Mean = 0.7196
Std. Dev. = 0.4474
N = 100

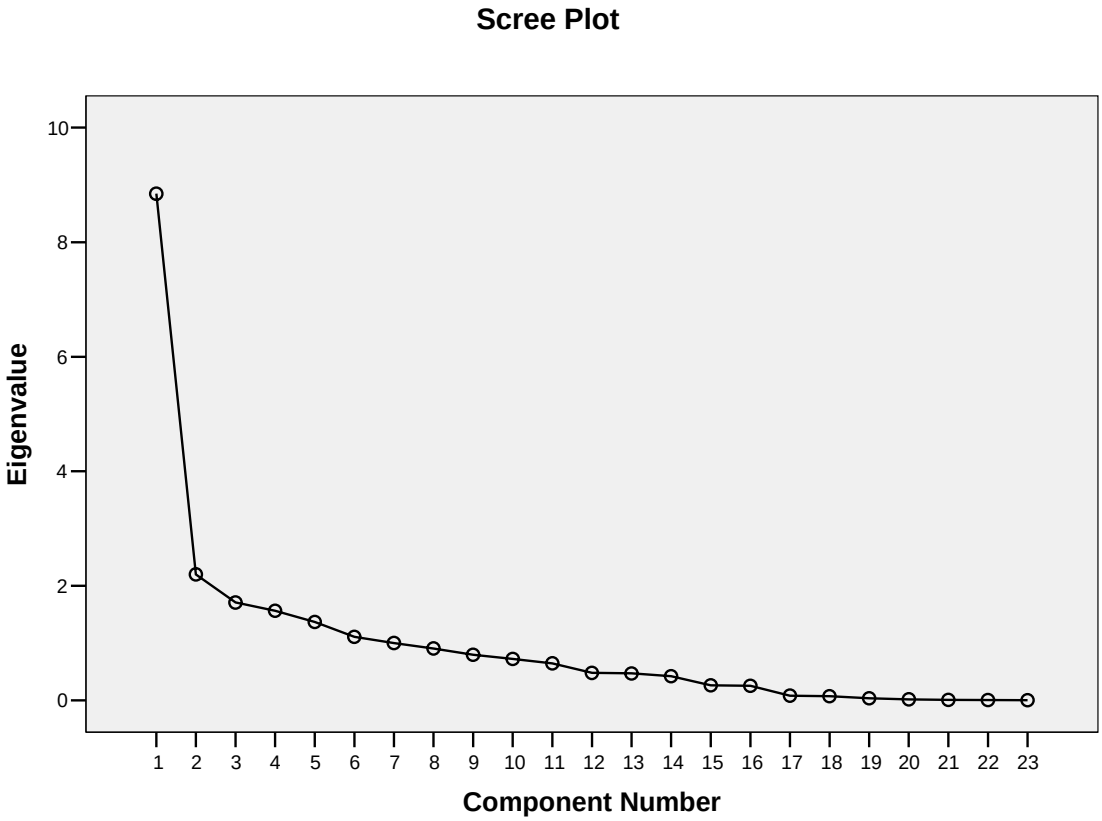

3000
2500
2000
1500
1000
500
0
Acetone
0.0
50.0
100.0
150.0
Toluene


Acetone
300
250
200
150
100
50
0
0.0
50.0
100.0
150.0
Toluene


60.0
50.0
40.0
30.0
20.0
10.0
0.0
Cyclohexane
0.0
50.0
100.0
150.0
Toluene


20.0
15.0
10.0
5.0
0.0
Cyclohexane
0.0
50.0
100.0
150.0
Toluene


100.0
80.0
60.0
40.0
20.0
0.0
Xylenes (m&p)
0.0
50.0
100.0
150.0
Toluene


Scree Plot
Eigenvalue
10
8
6
4
2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Component Number

Appendix A

NJDEP Indoor Air

Baseline Questionnaire

BASELINE QUESTIONNAIRE

1. LOCATION DATA

A	Name of Adult Participant:
A	Street Address: Apt. #
B	City/State: Zip Code:
D	Date: -- -- / -- -- / -- -- -- -- (month/day/year) [ENTER FOUR DIGITS FOR YEAR]
E	Home Phone: ( ) -
C	Interviewer/Technician ID:
D	House Identification Number: __ __ __ __ __

NJDEP Study Indoor Air

BASELINE QUESTIONNAIRE

September 2003

This instrument is based in part on the NHEXAS & RIOPA Questionnaires.

Hello, my name is [INTERVIEWER'S NAME] with the Environmental & Occupational Health Sciences Institute, which is part of the University of Medicine & Dentistry of New Jersey and Rutgers University]. We are conducting a survey in cooperation with The New Jersey Department of Environmental Protection on the indoor air concentration of environmental contaminants.

The following question asks about your race and cultural background.

1 What is your race? [ENTER ALL THAT APPLY] Write in the country that best resembles your cultural background.

	Adult	
	Race	**Culture**
A White		
B Black or African-American		
C American Indian		
D Eskimo or Aleut		
E Asian or Pacific islander		
F Hispanic		
1. Mexican American		
2. Hispanic white		
3. Hispanic black		
4. Hispanic other		
G Other		

HOUSING CHARACTERISTICS

The next questions are about your home. Please feel free to ask another member of your household for assistance if necessary.

2 Which best describes this **building**? Include all apartments, flats, etc., even if vacant/ [READ CHOICES AND ENTER ONE.]

A. Mobile home or trailer	
B. One family house or townhouse detached from any other house	
C. One family house or townhouse attached on one side to another unit	
D. One family house or townhouse attached on both sides to houses	
E. Building with 2 apartments, condos or co-ops	
F. Building with 3 or 4 apartments, condos or co-ops	
G. Building with 5 to 9 apartments, condos or co-ops	
H. Building with 10 to 19 apartments, condos or co-ops	
I. Building with 20 to 49 apartments, condos or co-ops	
J. Building with 50 or more apartments, condos or co-ops	
K. Other, Specify _____	

3 How many **rooms** are there in this house or apartment? Do <u>not</u> count bathrooms, porches, balconies, foyers, halls or half-rooms.

Number of rooms? _____

4 Does this house have a basement?

A. YES		
B. NO		→ **Go to 5**

4a. Is the basement used as part of the living space (finished and occupied for several hours a day)?

C. YES	
D. NO	

5 About when was this building first **built**? If not sure ask other household members [ENTER ONE]

A. 1995 to present	
B. 1985 to 1994	
C. 1975 to 1984	
D. 1960 to 1975	
E. 1945 to 1959	
F. 1900 to 1944	
G. Before 1900	
H. Don't know	

6 In the **past year** has there been a major **renovation** to this house or apartment, such as adding a room, putting up or taking down a wall, replacing windows, or refinishing floors? When was the last one? [READ CHOICES, ENTER ONE]

A. Yes, when was the last one?		Date: _____
B. Yes, I don't know when.		
C. Not renovated		
D. Don't know		

7 Within the **last six months** were **rugs, drapes or furniture professionally cleaned**? **Inside the house? When? What items**?

	In the house	Somewhere else		
A. Yes, they were cleaned on			Date: _____	Items: _____
B. Yes, I don't know when				Items: _____
C. Not professionally cleaned				
D. Don't know				

8 Where do you get **water for general** household use? [ENTER ALL THAT APPLY]

A. Public or commercial water system. Name:_____	
B. Private well	
C. Some other source, specify_____	
D. Don't know	

9 Which **water** source is used most often for **cooking**? [ENTER ONE]

A. Tap or faucet	
B. Bottled water	
C. Both, tap and bottled	

10 Do you **treat or filter** your water at home? [IF YES, ENTER ALL THAT APPLIES]

A. No	
B. Softener	
C. Charcoal filter	
D. Reverse osmosis	
E. Distilling	
F. Other, Specify _____	

11 Do you have a septic system?

YES	
NO	

If yes When was it last Cleaned _____

What was it last Cleaned with _____ (tetrachloroethylene-PERC, trichloroethylene, don't know)

12 Is there a **garage attached** to this house or apartment?

A. YES		
B. NO		→ **GO TO 15**

13 Where is the attached garage? [READ CHOICES AND ENTER ONE.)

A. Underneath the main living quarters	
B. Same level as the main living quarters	
C. Other, Specify _____	

14 Is there a doorway leading directly from the garage into the living quarters? [ENTER ONE]

A. YES	
B. NO	

15 Are automobiles, vans, trucks, or other motor **vehicles** usually parked in this **attached garage**? [ENTER ONE]

A. YES	
B. NO	

16 Are any **gasoline powered devices or gasoline storage cans** stored in any room, basement, or attached garage in this house or apartment? Do not include cars, vans, or trucks. Do include motorcycles, gas-powered lawnmowers, trimmers, blowers, boat engines, etc. [ENTER ONE]

A. YES	
B. NO	
C. Don't know	

17 Is **air conditioning** (refrigeration) used to cool this house or apartment? [ENTER ONE]

A. YES		
B. NO		→ **GO TO 17**

18 Which **types** of air conditioning units do you use? [READ CHOICES AND ENTER ALL THAT APPLY]

A. Central unit/units		
B. Window or wall unit/units	How many rooms? _____	Which rooms? _____
C. Portable unit/units		
D. Evaporative cooler		
E. Other, specify _____		

19 Which **fuels** are used for **heating** this house or apartment. [READ CHOICES IF NEEDED AND ENTER CIRCLE ALL THAT APPLY.]

A. Gas: from underground pipes serving the neighborhood		
B. Gas: bottled or from a tank		
C. Electricity		Is Tank/Stove in House
D. Fuel oil, kerosene, etc		
E. Coal or coke		
F. Wood		
G. Solar energy		
H. Other fuel, Specify _____		
I. No fuel or no heating used		
J. Don't know		

20 Does this house or apartment have a **central heating** system with ducts that blow air into most rooms?

Yes	
No	

I am now going to ask about whether alternate types of heating systems were used while the samples were collected.

21 Was the **kerosene** heater used during the time the air sample was collected?

Yes	
No	

22 Was **unvented gas heater** used during the time the air sample was collected?

Yes	
No	

23 Was a **wood or coal-burning stove heater** used during the time the air sample was collected?

Yes	
No	

24 Was a **fireplace** used during the time the air sample was collected?

Yes	
No	

25 Do you use or store in this house any of the following **products**? [READ LIST, ENTER ALL PRODUCTS USED]

A. Mothballs	
B. Deodorizers	
C. Room or air fresheners	
D. Scented candles	
E. Incense	
F. Paint/Thinner/Strippers	
G. Nail Polish/Polish Remover	
H. Other, specify _____	
I. Nothing	

26 Do you have **house pets** that are kept indoors? [REAR LIST ENTER, MARK ALL PETS IN THE HOUSE]

A. No pets	
B. Dogs	
C. Cats	
D. Gerbils	
E. Hamsters	
F. Rabbits	
G. Guinea pigs	
H. Birds	
I. Other, specify _____	

27 Indicate how frequently there was **tobacco smoke** in the house during the **past week** [ENTER ONE]

A. A lot of smoke most of the time	
B. Some smoke most of the time	
C. Some smoke occasionally	
D. Never smoky	
E. Don't know	

28 Indicate how frequently there was **tobacco smoke** in the house during the time the **Sample was collected** [ENTER ONE]

F. A lot of smoke most of the time	
G. Some smoke most of the time	
H. Some smoke occasionally	
I. Never smoky	
J. Don't know	

The next three questions refer to activities that happened **last year.**

29 In the **past year** was the inside of this house or apartment **painted**? When was the last time? On how many rooms? [READ CHOICES, ENTER ONE]

		Date	No. of Rooms	Which Floor
A. Yes, it was painted on				
B. Yes it was painted but I don't know when				
C. Not painted				
D. Don't know				

30 In the **past year** was **new carpeting or rugs** installed? [READ CHOICES, ENTER ONE]

		Date	No. of Rooms	Which Floor
A. Yes, it was carpeted on				
B. Yes it was installed but I don't know when				
C. No new carpet installed				
D. Don't know				

31 In the **past year** was **new furniture or upholstery** moved into the house? [READ CHOICES, ENTER ONE]

		Date	Which Floor
A. Yes, new furniture was moved into house on			
B. Yes, new upholstery was moved into house on			
C. No new furniture or upholstery			
D. Don't know			

32 Did you bring any items that were dry cleaned into you home during the past week?

Yes	
No	

33 Did you spill any household products that may have chemicals in it during the past week?

Yes	
No	

If yes which ones _____

34 Have any pesticide/herbicides been used inside or outside your home in the last week?

Yes	
No	

If yes which ones _____

Appendix B

NJDEP Indoor Air

Baseline Questionnaire

Participant ID	Q1a Race	Q1b Culture	Q2 Building Type	Q3 # of Rooms	Q4 Basement	Q4a Basement Finished Living Space	Q5 Building Age
EOHSI-001	A	American	B	5	Y	N	D
EOHSI-002	A	Italian-American	B	9	Y	N	A
EOHSI-003	A	Iranian-American	B	9	Y	N	E
EOHSI-004	A	American	B	11	Y	N	F
EOHSI-005	A	Iranian-American	D	4	N	N	B
EOHSI-006	A	Italian-American	B	15	Y	Y	B
EOHSI-007	A	American	B	11	Y	Y	D
EOHSI-008	A	American	B	8	Y	N	G
EOHSI-009	A	American	B	9	Y	Y	E
EOHSI-010	E	Asian (Malasia)	C	6	N	N	A
EOHSI-011	A	American	B	11	Y	Y	B
EOHSI-012	A	American	B	12	Y	N	F
EOHSI-013	A	American	B	8	Y	N	F
EOHSI-014	A	American	B	9	Y	N	D
EOHSI-015	A	American	B	8	Y	N	D
EOHSI-016	A	American	B	10	Y	Y	E
EOHSI-017	A	American	B	8	Y	N	E
EOHSI-018	A	American	B	6	Y	N	D
EOHSI-019	A	American	B	10	Y	Y	C
EOHSI-020	A	American	B	7	Y	N	F
EOHSI-021	A	American	B	6	Y	N	F
EOHSI-023	A	American	B	6	Y	N	E
EOHSI-024	A	American	B	8	Y	Y	F
EOHSI-025	A	American	B	12	Y	N	F
EOHSI-026	B	African-American	B	10	N	N	E
EOHSI-027	A	American	B	8	Y	Y	D
EOHSI-028	A	American	B	8	Y	N	A
EOHSI-029	A	American	B	5	Y	Y	E
EOHSI-030	A	American	B	10	Y	N	A
EOHSI-031	B	American	B	6	N	N	B
EOHSI-032	A	American	B	7	Y	N	B
EOHSI-033	A	American	B	8	Y	N	E
EOHSI-034	A	American	B	6	N	N	B
EOHSI-035	A	American	B	9	Y	N	A
EOHSI-036	A	American	C	6	Y	Y	C
EOHSI-037	A	American	B	8	N	N	F
EOHSI-038	A	American	B	8	not in Qre	not in Qre	B
EOHSI-039	A	American	B	8	not in Qre	not in Qre	E
EOHSI-040	A	Iranian-American	B	12	Y	Y	A
EOHSI-041	A	American	D	6	Y	not in Qre	B
EOHSI-042	A	American	B	7	not in Qre	not in Qre	D
EOHSI-043	A	American	B	9	Y	not in Qre	E
EOHSI-044	A	American	B	6	not in Qre	not in Qre	D
EOHSI-045	A	American	B	7	not in Qre	not in Qre	C
EOHSI-046	A	American	B	8	not in Qre	not in Qre	C
EOHSI-047	A	American	B	7	Y	Y	B

Participant ID	Q1a Race	Q1b Culture	Q2 Building Type	Q3 # of Rooms	Q4 Basement	Q4a Basement Finished Living Space	Q5 Building Age
EOHSI-048	A	American	B	7	not in Qre	not in Qre	E
EOHSI-049	A	American	B	9	not in Qre	not in Qre	C
EOHSI-050	A	American	B	6	Y	not in Qre	G
EOHSI-051	A	American	B	8	Y	Y	E
EOHSI-052	A	American	B	8	N	N	C
EOHSI-053	A	American	B	10	Y	Y	D
EOHSI-054	A	American	B	12	Y	N	B
EOHSI-055	A	American	B	8	Y	Y	F
EOHSI-056	A	Irish-American	B	10	N	N	B
EOHSI-057	A	American	B	7	Y	Y	D
EOHSI-058	A	American	B	6	N	N	G
EOHSI-059	A	American	B	14	Y	Y	B
EOHSI-060	A	American	B	7	N	N	D
EOHS-061	A	American	B	6	N	N	F
EOHSI-062	A	American	B	4	N	N	F
EOHSI-063	A	American	B	9	Y	Y	C
EOHSI-064	A	American	B	9	Y	N	B
EOHSI-065	B, E	African-American - Philipino	B	14	Y	Y	B
EOHSI-066	A	American	B	11	Y	N	B
EOHSI-067	A	American	B	8	Y	Y	A
EOHSI-068	A	American	B	9	Y	Y	C
EOHSI-069	A	American	B	5	N	N	C
EOHSI-070	A	German-American	B	6	N	N	C
EOHSI-071	A	American	B	9	N	N	A
EOHSI-72	A	American	B	8	Y	Y	A
EOHSI-73	A	American	B	6	Y	N	D
EOHSI-74	A	American	B	7	N	N	A
EOHSI-75	A	American	B	6	N	N	A
EOHSI-76	B	American	B	6	Y	N	A
EOHSI - 77	A	American	B	9	N	Y	C
EOHSI - 78	A	American	B	11	Y	N	A
EOHSI - 79	A	American	B	6	Y	Y	D
EOHSI - 80	A,G	Syrian-American	B	6	Y	N	C
EOHSI - 81	A	American	B	6	Y	Y	D
EOHSI - 82	A	American	B	6	N	N	E
EOSHI - 83	A	American	B	10	Y	Y	C
EOHSI - 84	A	American	B	10	Y	N	B
EOHSI - 85	A	Iranian-American	B	9	Y	N	B
EOHSI - 86	A	American	B	10	N	N	E
EOHSI - 87	A	American	B	12	Y	N	G
EOHSI - 88	A	American	B	6	Y	Y	D
EOHSI - 89	A	American	B	11	Y	Y	B

NJDEP Indoor Air Study/Baseline Questionnaire

Participant ID	Q1a Race	Q1b Culture	Q2 Building Type	Q3 # of Rooms	Q4 Basement	Q4a Basement Finished Living Space	Q5 Building Age
EOHSI - 90	A	American	B	8	Y	Y	E
EOHSI - 91	A	Iranian-American	B	9	Y	N	A
EOHSI - 92	A	American	B	9	Y	Y	E
EOSHI - 93	A	American	B	8	Y	Y	D
EOSHI - 94	E	Chinese-American	B	9	N	N	C
EOHSI - 95	A	Iranian-American	C	5	N	N	B
EOHSI - 96	A	American	B	7	Y	N	D
EOHSI - 97	A	American	B	8	Y	Y	E
EOHSI - 98	E	Chinese-American	B	8	Y	Y	C
EOHSI - 99	E	Taiwanese-American	D	6	Y	Y	B
EOHSI - 100	E	Taiwanese	B	8	N	N	D
EOHSI - 101	A	American	B	8	Y	Y	E

Participant ID	Q6 Renovations	Q7a Furniture Prof. Cleaned Inside?	Q7b Furniture Cleaned Somewhere Else?	Q8a General Water Supply	Q8b General Water Who?
EOHSI-001	C	C	C	A	Elizabeth Town
EOHSI-002	B - I Year ago	C	C	A	Elizabeth Town
EOHSI-003	C	C	C	A	Elizabeth Town
EOHSI-004	A	C	C	B	
EOHSI-005	C	C	C	A	Don't know the name
EOHSI-006	C	A	A	A	Consumers
EOHSI-007	A	A	C	A	Don't know the name
EOHSI-008	A - Oct 2003	C	C	B	
EOHSI-009	C	C	C	A	Don't know the name
EOHSI-010	D	D	D	A	Elizabeth Town
EOHSI-011	C	C	C	B	
EOHSI-012	C	C	C	A	Elizabeth Town
EOHSI-013	C	C	C	A	6 different companies
EOHSI-014	C	C	C	B	
EOHSI-015	A	C	C	A	NJ American Water Co.
EOHSI-016	C	C	C	B	
EOHSI-017	C	C	C	B	
EOHSI-018	A	C	C	B	
EOHSI-019	C	C	C	B	
EOHSI-020	C	C	C	B	
EOHSI-021	C	A	C	B	
EOHSI-023	C	C	C	B	
EOHSI-024	C	C	C	A	?
EOHSI-025	C	C	C	A	Don't know the name
EOHSI-026	C	C	C	A	Town Water
EOHSI-027	C	C	C	A	Town Water
EOHSI-028	C	C	C	A	Elizabeth Town
EOHSI-029	C	C	C	A	Millville
EOHSI-030	C	C	C	B	
EOHSI-031	C	C	C	A	Washington Municiple Utl.
EOHSI-032	C	C	C	B	
EOHSI-033	C	C	C	B	
EOHSI-034	C	A	C	A	Elizabeth Town
EOHSI-035	C	C	C	A	Elizabeth Town
EOHSI-036	A	C	C	A	Moorestown
EOHSI-037	C	C	C	A	Don't know the name
EOHSI-038	C	C	C	B	
EOHSI-039	A	C	C	B	
EOHSI-040	C	C	C	A	Elizabethtown
EOHSI-041	C	C	C	A	North Bruns. Water co.
EOHSI-042	C	B	C	A	Elizabethtown
EOHSI-043	C	C	C	B	
EOHSI-044	C	A	C	B	
EOHSI-045	C	C	C	B	
EOHSI-046	C	C	C	B	
EOHSI-047	C	C	C	B	

Participant ID	Q6 Renovations	Q7a Furniture Prof. Cleaned Inside?	Q7b Furniture Cleaned Somewhere Else?	Q8a General Water Supply	Q8b General Water Who?
EOHSI-048	C	C	C	A	United Water
EOHSI-049	C	C	C	B	
EOHSI-050	C	C	C	B	
EOHSI-051	C	C	C	B	
EOHSI-052	C	C	C	A	United water of Toms River
EOHSI-053	C	A	C	A	Aqua NJ
EOHSI-054	C	C	C	A	Pennignton
EOHSI-055	C	C	C	A	Don't know the name
EOHSI-056	C	C	C	B	
EOHSI-057	C	C	C	A	Borough Allentown
EOHSI-058	C	A	C	A	Allentown
EOHSI-059	C	C	C	A	Pennington
EOHSI-060	C	C	C	B	
EOHS-061	A	C	C	A	Lincoln Park
EOHSI-062	C	C	C	A	Lincoln Park
EOHSI-063	A	C	C	B	
EOHSI-064	C	C	C	B	
EOHSI-065	C	C	C	B	
EOHSI-066	C	C	C	B	
EOHSI-067	C	C	C	B	
EOHSI-068	C	C	C	B	
EOHSI-069	A	C	C	B	
EOHSI-070	C	C	C	B	
EOHSI-071	C	C	C	B	
EOHSI-72	A	C	C	A	So. Brunswick
EOHSI-73	C	C	C	A	Middlesex water
EOHSI-74	C	C	C	A	Elizabeth Township
EOHSI-75	C	C	C	A	American water
EOHSI-76	B	C	C	B	
EOHSI - 77	C	C	C	A	East Brunswick
EOHSI - 78	C	C	C	A	NJ American
EOHSI - 79	A	C	C	A	Brick American
EOHSI - 80	C	C	C	A	Don't know the name
EOHSI - 81	C	C	C	A	Don't know the name
EOHSI - 82	B	C	C	A	Elizabeth
EOSHI - 83	C	C	C	B	
EOHSI - 84	C	C	C	B	
EOHSI - 85	A	C	C	A	Elizabeth
EOHSI - 86	C	C	C	A	NJ American
EOHSI - 87	C	C	C	A	Don't know the name
EOHSI - 88	D	A	A	A	Wayne Township
EOHSI - 89	A	C	C	A	Don't know the name

Participant ID	Q6 Renovations	Q7a Furniture Prof. Cleaned Inside?	Q7b Furniture Cleaned Somewhere Else?	Q8a General Water Supply	Q8b General Water Who?
EOHSI - 90	C	C	C	A	Don't know the name
EOHSI - 91	C	C	C	A	Trenton
EOHSI - 92	C	C	C	A	Elizabeth
EOSHI - 93	C	C	C	A	Elizabeth
EOSHI - 94	C	C	C	A	Elizabeth
EOHSI - 95	C	C	C	A	Elizabeth
EOHSI - 96	C	C	C	A	Don't know the name
EOHSI - 97	C	C	C	A	Don't know the name
EOHSI - 98	C	C	C	B	
EOHSI - 99	C	C	C	A	Don't know the name
EOHSI - 100	C	C	C	A	Don't know the name
EOHSI - 101	C	C	C	A	Don't know the name

Participant ID	Q9 Cooking Water Supply	Q10 Treated or Filter water	Q11a Septic System	Q11b Septic Cleaned When?	Q11c Septic Cleaned With?	Q12 Garage?
EOHSI-001	A	A	not in Qre	not in Qre	not in Qre	N
EOHSI-002	A	A	not in Qre	not in Qre	not in Qre	Y
EOHSI-003	C	C	Y	Jan-05	not in Qre	Y
EOHSI-004	A	A	not in Qre	not in Qre	not in Qre	Y
EOHSI-005	A	A	not in Qre	not in Qre	not in Qre	N
EOHSI-006	A	C	not in Qre	not in Qre	not in Qre	Y
EOHSI-007	A	C	not in Qre	not in Qre	not in Qre	Y
EOHSI-008	A	F	not in Qre	not in Qre	not in Qre	N
EOHSI-009	A	D	not in Qre	not in Qre	not in Qre	N
EOHSI-010	A	D	not in Qre	not in Qre	not in Qre	Y
EOHSI-011	A	B	not in Qre	not in Qre	not in Qre	Y
EOHSI-012	A	C	not in Qre	not in Qre	not in Qre	N
EOHSI-013	A	C	not in Qre	not in Qre	not in Qre	N
EOHSI-014	A	B	not in Qre	not in Qre	not in Qre	Y
EOHSI-015	A	A	not in Qre	not in Qre	not in Qre	Y
EOHSI-016	A	A	N			Y
EOHSI-017	A	F	Y	01/2004	pumped out	Y
EOHSI-018	A	C	Y	1998	don't know	N
EOHSI-019	A	A	Y	7/2003	pumped out	Y
EOHSI-020	A	A	Y	2003	pumped out	N
EOHSI-021	A	A	Y	01/2004	pumped out	N
EOHSI-023	A	A	Y	01/2004	pumped out	N
EOHSI-024	A	C	N			N
EOHSI-025	A	A	N			N
EOHSI-026	A	A	N			Y
EOHSI-027	A	A	N			Y
EOHSI-028	A	A	N			Y
EOHSI-029	A	A	N			N
EOHSI-030	A	D	Y	2003	pumped out	Y
EOHSI-031	A	A	N			Y
EOHSI-032	A	A	Y			Y
EOHSI-033	A	B	Y			Y
EOHSI-034	A	C	N			N
EOHSI-035	A	A	Y			Y
EOHSI-036	A	A	N			N
EOHSI-037	C	A	N			N
EOHSI-038	A	B	not in Qre	not in Qre	not in Qre	Y
EOHSI-039	A	B	not in Qre	not in Qre	not in Qre	N
EOHSI-040	A	C	N			Y
EOHSI-041	A	D	N			N
EOHSI-042	A	A	not in Qre	not in Qre	not in Qre	Y
EOHSI-043	C	C	not in Qre	not in Qre	not in Qre	N
EOHSI-044	A	A	not in Qre	not in Qre	not in Qre	Y
EOHSI-045	A	A	not in Qre	not in Qre	not in Qre	Y
EOHSI-046	A	D	not in Qre	not in Qre	not in Qre	Y
EOHSI-047	C	C	not in Qre	not in Qre	not in Qre	Y

Participant ID	Q9 Cooking Water Supply	Q10 Treated or Filter water	Q11a Septic System	Q11b Septic Cleaned When?	Q11c Septic Cleaned With?	Q12 Garage?
EOHSI-048	A	C	not in Qre	not in Qre	not in Qre	Y
EOHSI-049	A	C	not in Qre	not in Qre	not in Qre	Y
EOHSI-050	A	A	not in Qre	not in Qre	not in Qre	N
EOHSI-051	A	A	not in Qre	not in Qre	not in Qre	N
EOHSI-052	A	C	N			Y
EOHSI-053	A	A	N			Y
EOHSI-054	A	A	N			Y
EOHSI-055	A	C	N			N
EOHSI-056	B	D	Y	7/2004	only pumped	Y
EOHSI-057	A	D	N			Y
EOHSI-058	A	A	N			N
EOHSI-059	A	F	N			Y
EOHSI-060	A	A	N			Y
EOHS-061	A	A	N			N
EOHSI-062	A	A	N			N
EOHSI-063	A	A	Y	9/2004	only pumped	N
EOHSI-064	A	B,C	Y	2003	only pumped	Y
EOHSI-065	A	B,C	Y	11/2003	only pumped	Y
EOHSI-066	A	B,C,E	Y	7/2003	only pumped	N
EOHSI-067	A	B	Y	5/2003	only pumped	Y
EOHSI-068	A	A	Y	2003	only pumped	Y
EOHSI-069	B	B	N			N
EOHSI-070	A	A	N			Y
EOHSI-071	A	B,C	N			Y
EOHSI-72	B	C	N			Y
EOHSI-73	A	D	N			Y
EOHSI-74	A	C	N			Y
EOHSI-75	A	C	N			Y
EOHSI-76	A	E	Y	4/2005	only pumped	N
EOHSI - 77	A	C	N			Y
EOHSI - 78	B	D	N			Y
EOHSI - 79	A	A	N			Y
EOHSI - 80	A	A	N			N
EOHSI - 81	A	A	N			Y
EOHSI - 82	A	A	N			N
EOSHI - 83	A	A	Y	2004	only pumped	N
EOHSI - 84	A	C	Y	11/2004	only pumped	Y
EOHSI - 85	A	A	N			N
EOHSI - 86	A	A	N			Y
EOHSI - 87	A	A	N			N
EOHSI - 88	A	A	N			N
EOHSI - 89	A	A	N			Y

Participant ID	Q9 Cooking Water Supply	Q10 Treated or Filter water	Q11a Septic System	Q11b Septic Cleaned When?	Q11c Septic Cleaned With?	Q12 Garage?
EOHSI - 90	A	C	Y	2004	only pumped	Y
EOHSI - 91	A	C	N			Y
EOHSI - 92	A	A	Y	2004	only pumped	Y
EOSHI - 93	A	A	Y	7/2005	only pumped	Y
EOSHI - 94	A	C	N			Y
EOHSI - 95	A	C	N			N
EOHSI - 96	A	C	N			Y
EOHSI - 97	A	A	Y	early 2005	only pumped	Y
EOHSI - 98	A	A	N			Y
EOHSI - 99	A	C	N			Y
EOHSI - 100	C	C	N			Y
EOHSI - 101	A	A	N			Y

Participant ID	Q13 Where Garage is	Q14 Doorway to Garage	Q15 Car in Garage	Q16 Gasoline Devices	Q17 Air Conditioning	Q18a Type of Air Cond.	Q18b How Many?
EOHSI-001				Y	Y	A	
EOHSI-002	B (attached	Y	Y	Y	Y	A	
EOHSI-003	B	Y	N	Y	Y	A	
EOHSI-004	B (attached	Y	N	N	Y	A	
EOHSI-005				N	Y	A	
EOHSI-006	C	Y	Y	N	Y	A	
EOHSI-007	B	Y	Y	Y	Y	A	
EOHSI-008				N	Y	B	1
EOHSI-009				N	Y	A	
EOHSI-010	B	Y	Y	N	Y	A	
EOHSI-011	A	Y	Y	Y	Y	A	
EOHSI-012				N	Y	A, B	1
EOHSI-013				N	Y	B	4
EOHSI-014	B	Y	Y	Y	Y	A	1
EOHSI-015	B	Y	N	Y	Y	A	
EOHSI-016	B	Y	Y	N	Y	A	
EOHSI-017	A	N	Y	Y	Y	A	
EOHSI-018				Y	Y	B	1
EOHSI-019	A	Y	N	Y	Y	B	2
EOHSI-020				N	N		
EOHSI-021				N	Y	A	
EOHSI-023				N	Y	B	2
EOHSI-024				N	Y	B	4
EOHSI-025				N	Y	B	2
EOHSI-026	B	N	N	N	Y	A	
EOHSI-027	A	Y	N	Y	Y	A	
EOHSI-028	B	Y	Y	Y	Y	A	
EOHSI-029				N	Y	B,E (attic fan)	3
EOHSI-030	B	Y	Y	N	Y	A	
EOHSI-031	B	Y	Y	N	Y	A	
EOHSI-032	B	Y	Y	N	Y	A, E	attic fan
EOHSI-033	A	Y	Y	N	Y	B	1
EOHSI-034				N	Y	A	
EOHSI-035	C	Y	Y	Y	Y	A	
EOHSI-036				N	Y	A	
EOHSI-037				N	Y	B	2
EOHSI-038	B	Y	Y	N	Y	A	
EOHSI-039					Y	B	5
EOHSI-040	B	Y	Y	N	Y	A	
EOHSI-041				N	Y	A	
EOHSI-042	B	Y	N	N	Y	A	
EOHSI-043	B	Y	Y	Y	Y	B	2
EOHSI-044	B	Y	Y	Y	Y	B	2
EOHSI-045	B	Y	Y	Y	Y	B	3
EOHSI-046	B	Y	N	N	Y	A	
EOHSI-047	B	Y	Y	N	Y	A	

Participant ID	Q13 Where Garage is	Q14 Doorway to Garage	Q15 Car in Garage	Q16 Gasoline Devices	Q17 Air Conditioning	Q18a Type of Air Cond.	Q18b How Many?
EOHSI-048	B	N	N	Y	Y	A	
EOHSI-049	A	Y	Y	N	Y	A	
EOHSI-050				N	Y	B	2
EOHSI-051				Y	Y	A	
EOHSI-052	B	Y	Y	N	Y	B	4
EOHSI-053	B	Y	Y	Y	Y	A	
EOHSI-054	B	Y	N	Y	Y	A	
EOHSI-055				N	Y	A	
EOHSI-056	A	Y	N	N	Y	A	
EOHSI-057	B	Y	Y	N	Y	A	
EOHSI-058				N	Y	B	2
EOHSI-059	B	A	N	Y	Y	A	
EOHSI-060	B	Y	Y	Y	Y	B	1
EOHS-061				N	Y	B	4
EOHSI-062				N	Y	B	2
EOHSI-063				N	Y	B	1
EOHSI-064	B	Y	Y	N	Y	A	
EOHSI-065	B	Y	Y	N	Y	B	3
EOHSI-066				N	Y	A	
EOHSI-067	A	Y	Y	Y	Y	A,B	1
EOHSI-068	B	Y	Y	Y	Y	B	2
EOHSI-069				N	Y	A	
EOHSI-070	B	Y	Y	Y	Y	A	
EOHSI-071	B	A	Y	Y	Y	A	
EOHSI-72	B	Y	Y	N	Y	A	
EOHSI-73	B	N	Y	N	Y	A	
EOHSI-74	B	Y	Y	N	Y	A	
EOHSI-75	B	Y	Y	N	Y	A	
EOHSI-76				N	Y	A	
EOHSI - 77	B	Y	N	N	Y	A	
EOHSI - 78	B	Y	Y	Y	Y	A	
EOHSI - 79	B	Y	N	N	N		
EOHSI - 80				Y	Y	B	2
EOHSI - 81	A	Y	Y	Y	Y	A	
EOHSI - 82				N	Y	B	1
EOSHI - 83				N	Y	B	6
EOHSI - 84	B	Y	Y	N	Y	A	
EOHSI - 85				N	Y	A	
EOHSI - 86	B	Y	Y	Y	Y	A,B	1
EOHSI - 87				N	Y	A	
EOHSI - 88				Y	Y	A	
EOHSI - 89	B	Y	Y	N	Y	A	

Participant ID	Q13 Where Garage is	Q14 Doorway to Garage	Q15 Car in Garage	Q16 Gasoline Devices	Q17 Air Conditioning	Q18a Type of Air Cond.	Q18b How Many?
EOHSI - 90	B	Y	Y	Y	Y	A	
EOHSI - 91	B	Y	Y	Y	Y	A	
EOHSI - 92	B	Y	N	Y	Y	A, B	1
EOSHI - 93	B	Y	Y	Y	Y	A	
EOSHI - 94	B	Y	Y	Y	Y	A	
EOHSI - 95				N	Y	A	
EOHSI - 96	A	Y	Y	Y	Y	A	
EOHSI - 97	B	Y	Y	N	Y	A	
EOHSI - 98	B	Y	Y	Y	Y	A	
EOHSI - 99	A	Y	Y	N	Y	A	
EOHSI - 100	B	Y	N	Y	Y	A	
EOHSI - 101	B	Y	N	Y	Y	A	

Participant ID	Q18c Which Room?	Q19 Heating Fuel	Q20 Central Heating	Q21 Kerosene	Q22 Unvented gas heater	Q23 Wood or coal
EOHSI-001		A	Y	N	N	N
EOHSI-002		A	Y	N	N	N
EOHSI-003		A	Y	N	N	N
EOHSI-004		A	Y	N	N	N
EOHSI-005		A	N	N	N	N
EOHSI-006		A	Y	N	N	Y
EOHSI-007		A	Y	N	N	N
EOHSI-008	bedroom 2nd fl	D, F	Y	N	N	Y
EOHSI-009		A	N	N	N	N
EOHSI-010		A	Y	N	N	N
EOHSI-011		C, D	Y	N	N	N
EOHSI-012	BR,window	A, F	Y	N	N	Y
EOHSI-013	BRs, DR (removed for winter)	D	Y	N	N	N
EOHSI-014	BR	D	N	N	N	N
EOHSI-015		A,C	Y	N	N	N
EOHSI-016		D	Y	N	N	N
EOHSI-017		D	Y	N	N	N
EOHSI-018	LR	C	N	N	N	Y
EOHSI-019	BR/LR	C, F	Y	N	N	Y
EOHSI-020		D	Y	N	N	N
EOHSI-021		D	Y	N	N	N
EOHSI-023	LR, BR	D	N	N	N	Y
EOHSI-024	3 BR, FR	D	N	N	N	Y
EOHSI-025	3rd fl BRs	A	Y	N	N	N
EOHSI-026		A	Y	N	N	N
EOHSI-027		A	Y	N	N	N
EOHSI-028		A	Y	N	N	N
EOHSI-029	BR/LR/Basement	B	Y	N	N	N
EOHSI-030		H	Y	N	N	N
EOHSI-031		A	Y	N	N	N
EOHSI-032		A, C	Y	N	N	N
EOHSI-033	BR	D	Y	N	N	N
EOHSI-034		A	Y	N	N	N
EOHSI-035		A	Y	N	N	N
EOHSI-036		A	Y	N	N	N
EOHSI-037	LR, Office	A, G	Y	N	N	N
EOHSI-038		A	N	N	N	N
EOHSI-039	Downstairs, BR, Outside	A	N	N	N	N
EOHSI-040		A	Y	N	N	N
EOHSI-041		A	Y	N	N	N
EOHSI-042		A	Y	N	N	N
EOHSI-043	DR, BR	D,F	Y	N	N	N
EOHSI-044	2 BRS	D	Y	N	N	Y
EOHSI-045	BRS	D	Y	N	N	Y
EOHSI-046		D	Y	N	N	N
EOHSI-047		A	Y	N	N	Y

Participant ID	Q18c Which Room?	Q19 Heating Fuel	Q20 Central Heating	Q21 Kerosene	Q22 Unvented gas heater	Q23 Wood or coal
EOHSI-048		A	Y	N	N	N
EOHSI-049		A	Y	N	N	N
EOHSI-050	BR (2nd fl), DR, porch	D	N	N	N	N
EOHSI-051		C,D,F	Y	N	N	Y
EOHSI-052	fr, 2 br, hall (2nd fl)	C	N	N	N	N
EOHSI-053		C	N	N	N	N
EOHSI-054		A	Y	N	N	N
EOHSI-055		C,D	Y	N	N	N
EOHSI-056		A	Y	N	N	N
EOHSI-057		A,C	Y	N	N	N
EOHSI-058	TV Rm., BR/2nd Floor	A, C	Y	N	N	N
EOHSI-059		A	Y	N	N	N
EOHSI-060	LR	A	Y	N	N	N
EOHS-061	BRs & LR	A	Y	N	N	N
EOHSI-062	1st/2nd floor	A	Y	N	N	N
EOHSI-063	bedroom 1st floor	D	Y	N	N	N
EOHSI-064		D	Y	N	N	N
EOHSI-065	FR, MR & laundry	H	Y	N	N	N
EOHSI-066		D	Y	N	N	N
EOHSI-067	on the window in garage	D, G	Y	N	N	Y
EOHSI-068	MBR, FR	C	Y	N	N	Y
EOHSI-069		A	Y	N	N	N
EOHSI-070		A	Y	N	N	N
EOHSI-071		A	Y	N	N	N
EOHSI-72		B, F	Y	N	N	N
EOHSI-73		A	Y	N	N	N
EOHSI-74		A	Y	N	N	N
EOHSI-75		A	Y	N	N	N
EOHSI-76		H	Y	N	N	N
EOHSI - 77		A	Y	N	N	N
EOHSI - 78		A	Y	N	N	N
EOHSI - 79		A	Y	N	N	N
EOHSI - 80	2nd Floor	A	Y	N	N	N
EOHSI - 81		A	Y	N	N	N
EOHSI - 82	Mudroom	A	Y	N	N	N
EOSHI - 83	2 basement, 3 br 1st & 2 fl. 1 lr.	D	Y	N	N	N
EOHSI - 84		A	Y	N	N	N
EOHSI - 85		A	Y	N	N	N
EOHSI - 86	4th fl	A	Y	N	N	N
EOHSI - 87		A	Y	N	N	N
EOHSI - 88		D	Y	Y	N	N
EOHSI - 89		A	Y	N	N	N

Participant ID	Q18c Which Room?	Q19 Heating Fuel	Q20 Central Heating	Q21 Kerosene	Q22 Unvented gas heater	Q23 Wood or coal
EOHSI - 90		A,F	Y	N	N	Y
EOHSI - 91		A,C	Y	N	N	N
EOHSI - 92	bathroom	A	Y	N	N	N
EOSHI - 93		A	Y	N	N	N
EOSHI - 94		A,C	Y	N	N	N
EOHSI - 95		A	Y	N	N	N
EOHSI - 96		A	Y	N	N	N
EOHSI - 97		A	Y	N	N	N
EOHSI - 98		A	Y	N	N	N
EOHSI - 99		A	Y	N	N	N
EOHSI - 100		A,H	Y	Y	N	N
EOHSI - 101		A	Y	N	N	N

Participant ID	Q24 Fireplace	Q25 Products	Q26 House pets	Q27 Tobacco Smoke	Q28 Tobacco Sample	Q29 House Painted	Q29a Painted Date
EOHSI-001	N	I	B	D	I	A	4/2003
EOHSI-002	N	C, D, G	B, F	D	I	A	6/2003
EOHSI-003	Y	B, G	A	D	I	C	
EOHSI-004	Y	A, G	A	D	I	A	7/2003
EOHSI-005	N	C	E, H	D	I	C	
EOHSI-006	Y	C, D	A	D	I	A	6/2003
EOHSI-007	N	C, D	B	D	I	A	7/2003
EOHSI-008	N	D	A	D	I	A	10/2003
EOHSI-009	N	D, G	A	D	I	A	10/2003
EOHSI-010	Y	D	A	D	I	D	
EOHSI-011	N	I, G	A	D	I	C	
EOHSI-012	N	B, D	I	D	I	C	
EOHSI-013	N	G	A	D	I	A	5/2002
EOHSI-014	N	A	H	D	I	C	
EOHSI-015	N	D	C	D	I	A	01/2004
EOHSI-016	N	I	A	D	I	C	
EOHSI-017	N	D	B	D	I	A	05/2003
EOHSI-018	N	C, D	A	D	I	A	08/2003
EOHSI-019	N	C , H	B	D	I	C	
EOHSI-020	N	I	B ,C	D	I	C	
EOHSI-021	N	C,D	A	D	I	C	
EOHSI-023	N	C	B	D	I	A	04/2003
EOHSI-024	N	A, B, G	A	D	I	C	
EOHSI-025	Y	C, G	B, C	D	I	C	
EOHSI-026	N	C	I	D	I	C	
EOHSI-027	Y	B, C, D, G	A	D	I	A	11/03, 1/04,
EOHSI-028	Y	C, D, G	C , I	D	I	A	10/2003
EOHSI-029	N	C	B	D	I	C	
EOHSI-030	Y	I	B	D	I	C	
EOHSI-031	N	D	A	D	I	C	
EOHSI-032	Y	C, H	C	D	I	A	2/2004
EOHSI-033	Y	A,B,C,D,E,	C	D	I	A	01/2004
EOHSI-034	Y	F	A	D	I	A	06/2004
EOHSI-035	Y	C,D	B	D	I	C	
EOHSI-036	Y	I	B	D	I	A	6/2004
EOHSI-037	Y	A,F,G	A	D	I	C	
EOHSI-038	N	I	C	D	I	A	3/2004
EOHSI-039	N	B,C,D,E,	B	D	I	A	8/2004
EOHSI-040	Y	A,B,C,D	A	D	I	C	
EOHSI-041	N	C,D	A	D	I	C	
EOHSI-042	N	B	A	D	I	A	8/2004
EOHSI-043	Y	I	A	D	I	C	
EOHSI-044	N	B,C,D	B	D	I	A	10/2004
EOHSI-045	N	D	B	D	I	A	10/2004
EOHSI-046	Y	A,D,E	B,C	C	H	C	
EOHSI-047	N	A,B,C,D,E	A	D	I	A	8/2004

Participant ID	Q24 Fireplace	Q25 Products	Q26 House pets	Q27 Tobacco Smoke	Q28 Tobacco Sample	Q29 House Painted	Q29a Painted Date
EOHSI-048	N	I	A	D	I	C	
EOHSI-049	Y	A,D	B	D	I	C	
EOHSI-050	N	D	B	D	I	A	6/2004
EOHSI-051	Y	E	C,D	D	I	C	
EOHSI-052	N	B,C,D	A	D	I	A	12/2004
EOHSI-053	Y	D,G	A	D	I	A	4/2004
EOHSI-054	Y	C	C	D	I	C	
EOHSI-055	Y	C,F,G	B,C	D	I	A	10/2004
EOHSI-056	Y	C	H	D	I	C	
EOHSI-057	N	B,C	A	D	I	C	
EOHSI-058	N	B,C	B	D	I	C	
EOHSI-059	Y	A,C,D,G	B,C	D	I	A	1/2005
EOHSI-060	N	A,B,C,,G	A	D	I	C	
EOHS-061	N	B,C,D	B	D	I	A	7/2004
EOHSI-062	N	I	B	B	G	C	
EOHSI-063	Y	B,D,G	B, C	D	I	C	
EOHSI-064	Y	I	B	D	I	C	
EOHSI-065	Y	C, D	A	D	I	C	
EOHSI-066	N	B, D, G	C	D	I	A	8/2003, 5/2004
EOHSI-067	N	C	B	D	I	C	
EOHSI-068	Y	C	A	D	I	C	
EOHSI-069	N	D,G	A	D	I	C	
EOHSI-070	N	G	A	D	I	A	10/2004
EOHSI-071	Y	D,F,G	B	D	I	A	5/2005
EOHSI-72	Y	B,C,D,G	A	D	I	C	
EOHSI-73	N	C,G	A	D	I	A	6/2005
EOHSI-74	Y	A,B,C,D,F	A	D	I	C	
EOHSI-75	N	F,G	A	D	I	A	8/2005
EOHSI-76	N	B,C,G	A	D	I	A	5/2005
EOHSI - 77	N	B,D,F,H	B	B	G	A	4/2005
EOHSI - 78	Y	G	I	D	I	A	5/2005
EOHSI - 79	N	B,C,D	A	D	H	C	
EOHSI - 80	N	A,D,G	A	D	I	A	4/2005
EOHSI - 81	N	C,D	A	D	I	C	
EOHSI - 82	N	B,C,D,G	B	B	G	A	5/2005
EOSHI - 83	Y	B,D,G	B,C	D	I	C	
EOHSI - 84	Y	D,G	A	D	I	C	
EOHSI - 85	Y	B,C,D,G	A	D	I	A	10/2005
EOHSI - 86	Y	D,G	A	D	I	C	
EOHSI - 87	Y	B	A	D	I	A	
EOHSI - 88	N	B,D	A	D	I	A	2/2005
EOHSI - 89	N	D,G	A	D	I	C	

Participant ID	Q24 Fireplace	Q25 Products	Q26 House pets	Q27 Tobacco Smoke	Q28 Tobacco Sample	Q29 House Painted	Q29a Painted Date
EOHSI - 90	Y	C,D	A	D	I	C	
EOHSI - 91	Y	D,E,G	B,I	D	I	C	
EOHSI - 92	Y	E	A	D	I	C	
EOSHI - 93	N	A,B,C,D	A	D	I	C	
EOSHI - 94	N	I	A	D	I	C	
EOHSI - 95	Y	A	A	D	I	C	
EOHSI - 96	Y	C,D	B	D	I	C	
EOHSI - 97	Y	D	A	D	I	C	
EOHSI - 98	Y	A,D	A	D	I	C	
EOHSI - 99	N	B,C,D	A	D	I	C	
EOHSI - 100	N	A,D	A	D	I	C	
EOHSI - 101	N	A,C,D	A	D	I	C	

Participant ID	Q29b How Many Room?	Q29c Which Floor?	Q30 New Carpet?	Q30a New Carpet Date	Q30b How Many Room?	Q30c Which floor?
EOHSI-001	1	1st fl.	C			
EOHSI-002	3	2nd fl.	A	4/2003	2	1st flr
EOHSI-003			C			
EOHSI-004	11	1st & 2nd flr	A	7/2003	1	2nd fl.
EOHSI-005			C			
EOHSI-006	7	1st & 2nd flr	A	8/2003	2	1st & 2nd fl.
EOHSI-007	2	1st & 2nd flr	C			
EOHSI-008	1	2nd flr	C			
EOHSI-009	4	1st & 2nd	C			
EOHSI-010			C			
EOHSI-011			C			
EOHSI-012			C			
EOHSI-013	1	2nd flr	C			
EOHSI-014			C			
EOHSI-015	1	1st flr	C			
EOHSI-016			C			
EOHSI-017	1	1st flr	C			
EOHSI-018	1	1st flr	A	4 month old		1st floor
EOHSI-019			C			
EOHSI-020			C			
EOHSI-021			C			
EOHSI-023	2	1st flr	A	2/2004	7	1st flr
EOHSI-024			C			
EOHSI-025			A	2/2004	1	2nd fl.
EOHSI-026			C			
EOHSI-027	4	1st, 2nd	C			
EOHSI-028	1	1st flr	A	12/2003	2	1st fl.
EOHSI-029			C			
EOHSI-030			A	6/2004	5	1st & 2nd
EOHSI-031			C			
EOHSI-032		1st flr	C			
EOHSI-033	2	1st flr	C			
EOHSI-034		1st flr	C			
EOHSI-035			C			
EOHSI-036	3	1st, 2nd	C			
EOHSI-037			C			
EOHSI-038	2	1st flr	C			
EOHSI-039	1	1st flr	C			
EOHSI-040			C			
EOHSI-041			C			
EOHSI-042	1	1st flr	A	9/2004	1	
EOHSI-043			C			
EOHSI-044	4	1st flr	C			
EOHSI-045	1	1st flr	B		1	stairs, hall
EOHSI-046			C			
EOHSI-047		basement	A	8/2004		all basement

Participant ID	Q29b How Many Room?	Q29c Which Floor?	Q30 New Carpet?	Q30a New Carpet Date	Q30b How Many Room?	Q30c Which floor?
EOHSI-048			C			
EOHSI-049			C			
EOHSI-050	1	1st flr	C			
EOHSI-051			C			
EOHSI-052	6	1st, 2nd flr	A	12/2004	6	1st & 2nd
EOHSI-053	all	1st flr	A	9/2004	2	1st
EOHSI-054			C			
EOHSI-055	1	1st flr	C			
EOHSI-056			C			
EOHSI-057			C			
EOHSI-058			C			
EOHSI-059	all		C			
EOHSI-060			C			
EOHS-061	2	1st flr	B		1	1st flr
EOHSI-062			C			
EOHSI-063			C			
EOHSI-064			C			
EOHSI-065			C			
EOHSI-066	4 (both times)	1st flr	C			
EOHSI-067			C			
EOHSI-068			C			
EOHSI-069			C			
EOHSI-070	whole house		C			
EOHSI-071	rm 2nd floor	1st, 2nd flr	C			
EOHSI-72			A	8/2004	5	2nd fl.
EOHSI-73		Basement	C			
EOHSI-74			C			
EOHSI-75		1rms & Bathrm	C			
EOHSI-76	2	Bathrooms	C			
EOHSI - 77	1	Basment 1 wall	C			
EOHSI - 78	Kitchen	First	C			
EOHSI - 79			C			
EOHSI - 80	LR & Kitchen	1st flr	A	10/2005	1	1st flr
EOHSI - 81			C			
EOHSI - 82	1	1st flr	C			
EOSHI - 83			C			
EOHSI - 84			C			
EOHSI - 85	Bath	2nd fl	C			
EOHSI - 86			C			
EOHSI - 87	2 rms	1st, 2nd flr	C			
EOHSI - 88	all rooms	1st, 2nd flr	A	1/2005	3	2nd fl
EOHSI - 89			C			

Participant ID	Q29b How Many Room?	Q29c Which Floor?	Q30 New Carpet?	Q30a New Carpet Date	Q30b How Many Room?	Q30c Which floor?
EOHSI - 90			C			
EOHSI - 91			C			
EOHSI - 92			C			
EOSHI - 93			C			
EOSHI - 94			C			
EOHSI - 95			C			
EOHSI - 96			C			
EOHSI - 97			C			
EOHSI - 98			C			
EOHSI - 99			C			
EOHSI - 100			C			
EOHSI - 101			C			

Participant ID	Q31 New Furniture	Q31a New Furniture Date	Q31b Which Floor?	Q32 Dry Cleaned	Q33 Spill Products	Q34 Peticide/ Herbicides
EOHSI-001	C			N	N	N
EOHSI-002	C			N	N	N
EOHSI-003	C			N	N	N
EOHSI-004	A	9/ 2003	1st fl	N	N	N
EOHSI-005	C			N	N	N
EOHSI-006	C			N	N	N
EOHSI-007	A	8/2003	2nd flr	N	N	N
EOHSI-008	C			N	N	N
EOHSI-009	C			N	N	N
EOHSI-010	C			N	N	N
EOHSI-011	C			N	N	N
EOHSI-012	C			N	N	N
EOHSI-013	C			N	N	N
EOHSI-014	C			N	N	N
EOHSI-015	A	4/2004	1st flr	N	N	N
EOHSI-016	C			N	N	N
EOHSI-017	A	02/2003	1st flr	Y	Y	Y
EOHSI-018	C			N	N	N
EOHSI-019	C			N	N	N
EOHSI-020	B	05/2003	1st flr	N	N	N
EOHSI-021	C			N	N	N
EOHSI-023	B	02/2004	1st flr	N	N	Y
EOHSI-024	C			Y	N	Y
EOHSI-025	C			Y	N	N
EOHSI-026	C			N	N	N
EOHSI-027	A	11/2003	2nd flr	N	N	N
EOHSI-028	B	03/2004	1st flr	N	N	N
EOHSI-029	C			N	N	N
EOHSI-030	A	6/2004	2nd flr	N	N	N
EOHSI-031	C			N	N	N
EOHSI-032	C			N	N	Y
EOHSI-033	A	2003	1st flr	N	N	Y
EOHSI-034	C			N	N	N
EOHSI-035	A	11/2003	2nd flr	Y	N	N
EOHSI-036	B		1st flr	Y	Y	N
EOHSI-037	A	8/2003	1st flr	N	N	N
EOHSI-038	not in Qre	not in Qre	not in Qre	Y	N	N
EOHSI-039	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-040	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-041	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-042	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-043	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-044	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-045	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-046	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-047	not in Qre	not in Qre	not in Qre	N	N	N

Participant ID	Q31 New Furniture	Q31a New Furniture Date	Q31b Which Floor?	Q32 Dry Cleaned	Q33 Spill Products	Q34 Peticide/ Herbicides
EOHSI-048	not in Qre	not in Qre	not in Qre	Y	N	N
EOHSI-049	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-050	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-051	not in Qre	not in Qre	not in Qre	N	N	N
EOHSI-052	C			N	N	N
EOHSI-053	A	12/2004	2nd flr	N	N	N
EOHSI-054	C			Y	N	N
EOHSI-055	C			N	N	N
EOHSI-056	C			N	N	N
EOHSI-057	C			N	N	N
EOHSI-058	A	2/2004	1st flr	N	N	N
EOHSI-059	A	1/2005	2nd flr	N	N	N
EOHSI-060	B	1/2005	1st flr	N	N	N
EOHS-061	C			N	N	N
EOHSI-062	C			N	N	N
EOHSI-063	C			N	N	N
EOHSI-064	C			N	N	N
EOHSI-065	A	7/2004	2nd flr	N	N	Y
EOHSI-066	C			N	N	N
EOHSI-067	C			N	N	N
EOHSI-068	C			Y	N	N
EOHSI-069	C			N	N	N
EOHSI-070	C			N	N	Y
EOHSI-071	C			Y	N	N
EOHSI-72	A	8/2005	1st flr	N	N	N
EOHSI-73	C			N	N	N
EOHSI-74	C			N	N	N
EOHSI-75	C			Y	Y	N
EOHSI-76	C			Y	N	N
EOHSI - 77	B	4/2005	1st flr	N	N	N
EOHSI - 78	A	10/2005	1st flr	N	N	N
EOHSI - 79	C			N	N	N
EOHSI - 80	B	4/2005	1st flr	N	N	N
EOHSI - 81	C			N	N	Y
EOHSI - 82	C			Y	N	N
EOSHI - 83	C			N	N	N
EOHSI - 84	C			N	N	N
EOHSI - 85	A	4/2005	1st flr	N	N	Y
EOHSI - 86	C			N	N	N
EOHSI - 87	C			Y	N	N
EOHSI - 88	C			Y	Y	N
EOHSI - 89	A	220/05	1st flr	N	N	N

Participant ID	Q31 New Furniture	Q31a New Furniture Date	Q31b Which Floor?	Q32 Dry Cleaned	Q33 Spill Products	Q34 Peticide/ Herbicides
EOHSI - 90	C			N	N	N
EOHSI - 91	C			N	N	N
EOHSI - 92	C			N	N	N
EOSHI - 93	C			Y	N	N
EOSHI - 94	C			N	N	N
EOHSI - 95	C			N	N	N
EOHSI - 96	C			Y	N	N
EOHSI - 97	C			N	N	N
EOHSI - 98	C			N	N	N
EOHSI - 99	C			N	N	N
EOHSI - 100	C			N	N	N
EOHSI - 101	C			N	N	N

PARTICIPANT ID	
EOHSI-001	lown mower in basement Dec. to April
EOHSI-002	filtered water by britta most of the time, for soup or pasta only tap water, garage attached to family & study room, orange scented soft scrub to clean the counters, rabbits for only 2 wks, new area rug (not installed)
EOHSI-003	Garage leads to sunroom (screened) and then to the dinning rm, gas fire place
EOHSI-004	#6. Started late sept. 03, still is going on but no dust in the house anymore. Adding 1BR and 1 Bath to 2nd floor. Complete new kitchen. Redone bath on 1st floor. Attached garage to playroom. Drycleaning every two weeks, but not last week.
EOHSI-005	
EOHSI-006	The snow blower was started in Driveway, you could smell it when the door got open (11am), basement rug 9/03, garage attached to office, DR, kitchen & laundry, garage leads to kitchen and laundry, a lot of smoking in the past (previous owners before 6/03)
EOHSI-007	attic is a storage finished room, bathrm 2nd. Fl. 2/03, 8/03 FR carpet, 2 car garage attached to FR & has a door to FR, also used in vaccum (fresh scents - vaccum cleaner freshner), new child bedroom set
EOHSI-008	Underground oil tank: 1000 gallon/ septic tank/ well water, 10/03 ceiling replacement, Ion exchange full house filter for water, fuel oil, woodstove in the room off the kitchen
EOHSI-009	reverse osmosis filteration for cooking, drinking 99.9% of the time, baseboard heating system,
EOHSI-010	moved 9/03 in the house, filtered water, garage to laundry room & small hall,
EOHSI-011	4 rms in basement (office), well water whole house, to basement, oil tank is in garage (275gal), heat pump works with electricity, when it gets real cold it switches over to oil system, Home Business: Sothering, Aceton (was used) more than 3 days ago, very small amount, light oil, light refined
EOHSI-012	2 car garage (a pole barn) detach, wood stove twice a wk when cold, snake, rabbit, lizzard turtles,
EOHSI-013	fuel oil in basement above ground, steam heat
EOHSI-014	Garage leads to 1st fl. hallway,oil tank is under ground front yard, hot water base board heat
EOHSI-015	partial basement, in bedroom summer of 03, garage from den 1st level, all equip. in garage, electric cooking, 2 cats, unfinished book cases (varnished & stained) 1/04
EOHSI-016	18 months ago all windows were replaced, garage to kitchen to basement, equipment in the shed, fuel oil tank in basement
EOHSI-017	basement only for laundry - wet, 2-3 pump out, water filter (UV & charcol & sediment&UV to kill the bugs), office, one car garage, basement, new leather set furniture, Q#33:dog accident, pesticide 4/16/04 outside (not powder), husband working on truck walked in.
EOHSI-018	basement: 2 sections only used for laundry, bathroom renewed 8/03, 1998, barn (detached), cat outside, three runners 4 months old, new cabient in bathroom (milk paint)
EOHSI-019	pickup day the owner working with his tractor around the house./ High MTBE… living room above the storage, farmers, tractors gasoline contamination, 3 section in basement laundry +rec +storage, summer 03 pumpout, garage under LR goes to basement, all in garage: motorcycle, lawn
EOHSI-020	basement, septic cleaned 2003, outside dog
EOHSI-021	11/03 whole house carpeting, organtic carpet cleaner (natural cleaning), 3 months ago, fuel oil
EOHSI-022	
EOHSI-023	basement finish livable, radiator, septic cleaned 3 months ago,
EOHSI-024	basement only for laundry/storage, under the porch, front porth painted 1 month ago, wood stove twice this winter, 2wks ago poison ivy outside
EOHSI-025	radiator, fire place 6 times this winter,
EOHSI-026	5 1st fl. & 5 2nd fl., garage under 2 of the BedRm 2 fl, next to FR (no entry to house), fish
EOHSI-027	finish livable laundry & bedroom, garage under the bedroom, next to FR which sampler was placed, paint product in the garage only, wood fl. DR (finished) 11/03, a chair was striped and finished & left in garage overnight, pesticide outside more than 1 wk ago.
EOHSI-028	garage next to kitchen, lawn mower in garage, wood fir place 6yr, nail polish acetone free, fish
EOHSI-029	attic fan (off)
EOHSI-030	one month old on 10 acre land, new house, filtered well to separte thru sewells & residue, kitchen, are in the barns away from kitchen, propane tank, wood burning
EOHSI-031	electric radiator
EOHSI-032	1994, pumped out, attic fan was not in use, wood all the time, outside round up herbicide
EOHSI-033	1997, under ground, propane for cooking, roundup herbicide

EOHSI-034	
EOHSI-035	filter only for drinking, garage enters to laundry (kitchen) to family Rm, gas lawn mower in garage smells in the room, lawn mowers, big house cleaning tomorrow
EOHSI-036	6/04 hardwood, fire place 5 day wk in winter, 8/3/04, spill (bleach in bathroom)
EOHSI-037	shed, suplemental solar water system, fire place rarely, cleaning lady was there
EOHSI-038	**Questionnaires 38 to 51(approved July 28, 2004) is missing the basement question**
EOHSI-039	enlarged downstaris bathroom11/03
EOHSI-040	3 in basement, filterred water for cooking & drinking, gasoline device in shed, gas fireplace everyday day in winter
EOHSI-041	
EOHSI-042	6 rooms, garage same level as FR, to FR, shed
EOHSI-043	blue light water pump kills the bacteria, filter in kitchen, 3 car attached garage, 2 garage on one sside and another on the other side, lawn mower, oil tank in basement above ground, fire place, base board (hot water heat), wood fireplace
EOHSI-044	bridgeway from garage to DR (close porch around the house), four wheeler chain saw gas equip. (farm equipment), oil tank under sunroom, covered balcony, wood working in the house only chemical using is wood filler elmer's, wood stove everyday Dec to March, cooking stove works with propane
EOHSI-045	next to LR there is a wood box, (mini door) from garage to LR for wood which is not sealed (woodstove/ not in use while sampling), tractor in the garage, oil tank outside by garage, one wood floor was finished 3 wks ago w/polyurythane
EOHSI-046	garage to the kitchen, oil tank under ground in front of the garage,
EOHSI-047	garage to Droom
EOHSI-048	
EOHSI-049	garage to first level to FR, wood fireplace - 5 times/season
EOHSI-050	big farmhouse split for 2 families, tank in basement above the floor, steam radiator, two wks ago the pipes to the oil tank was cleaned and strong smelled for about 10 days, there was no smell last couple days.
EOHSI-051	office in basement, oil tank in basement, radiators, cats outdoors
EOHSI-052	refrigerator filter, 2 cars parked, garage next to FR and leads to FR, gas device in the shed, electric baseboard heating in every room, separate baseboard in each RM
EOHSI-053	1/04 new sofa, garage to laundry to DR, paints in basement, elcetric baseboard, baseboard in each room, wood fireplace 2/month, burned rice in microwavw, used vinegar for cleaning, smell while sampling
EOHSI-054	moved in 6/04, garage under study room and leads to kitchen, wood fireplace 1/month, used pet stain remover
EOHSI-055	filter for drinking water, oil tank in basement above ground, radiator, gas fireplace, paint stored in basement, hobby painting skateboard before Dec. (spray)
EOHSI-056	two car garage leads to kitchen, wood fireplace for cold seasons, 7 birds, the day of cleaning was the day before sampling,
EOHSI-057	revers osmosis filteration system, garage to FR, shed, electric heating in basement, gas fireplace3 wks ago sewage backedup, 3 weeks ago sewage backed up and roto rooter came
EOHSI-058	carpet on 2nd fl., steps and hall was cleand professionaly, gas device in the shed, electric board in TV room, new sofa in TV room
EOHSI-059	5 section in basement, electric system to ionize & prevent ca percipitation in water (softening), garage leads to small hall & laundry and FR, snow blower in garage, ceiling fans, 2 gas fireplaces, basement has ventfree fireplace, new bed in 2nd floor
EOHSI-060	garage next to FR on 1st fl, one car every day parked, lawn mower in the garage, laundry in the garage, boiler opens to FR toilet, kerosene can, gasolin can in garage, paint thinner, the garage door is open to FR when doing laundry, new leather chair, new matress box
EOHSI-061	basement is only crowlspace, 2/04 renew the bathroom, 7/04 BR 2 and deck, tractor in shed, weed wacher, blower, hot water baseboard, carpet fresh product, boyfriend smokes outside, model making glue used 2 wks ago
EOHSI-062	baseboard, dog left 2months ago but the strong odor is still there, smoke only at night
EOHSI-063	5/04 bathrm 2fl tile, 9/04 carptets whole house other than DR & kitchen, 9/04 septic only pumped out, oil tank in basement above ground, in FR woodfireplace 6time/yr, 2 dogs and 3 cats
EOHSI-064	owner cleaned the carpets with steam, softner for all drinking water and charcole filter for drinking water, 2003 septic only pumped, shed, oil tank under ground, gas fireplace 2/month
EOHSI-065	basement (library, music, excerise rooms utiity room & storage), ionic brease air cleaner, water softner not any more, charcole filter dring water, septic 11/04 only pumped out, one car garage leads to kitchen, gas device in shed, propane underground tank, wood fireplace occaionally 5/yr, air freshner
EOHSI-066	3 room in extra suite instead of garage, basement not finished, 9 months carpets, septic mid 2003 pumped out, there is extra appartment instead of garage, oil tank in backyard unerground, 2 cats in & out
EOHSI-067	laundry (large room), septic 5/9/05 only pumped out, garage leads to FR in basement 1st fl bilevel house, car in garage mostly in cold weather, child was sick (throw up) stain & odor remover (nature's miracle)

EOHSI-068	2 rooms in basement, septic 2003 pumped out, garage through sun porch, 2 car garage attached, mostly one car parked in garage, wood stove in basement 2/wk in winter, electric baseboard, plug in air freshner, dry cleaned 4 days ago, weed killer a wk ago
EOHSI-069	5/03 to 12/04 whole house is rebuilt everything down to the base, shed has paint, spray and lawer mower, baseboards hot water heat, termite treatments one wk ago underneath and outside
EOHSI-070	12/04 carpet in LR & DR, 2 car garage, lawn mower and gas can and old oil-base paint in garage, termite treatment last week outside, Ford Scort 1994
EOHSI-071	garage leads to small hall and kitchen, baseboard heating, 2 gas firplace (upstair doubleside), 3 dogs, dry cleaning on 6/11/05
EOHSI-072	13 months ago wood floor and painting, filtered water for cooking, garage next to kitchen and DR which leads to laundry to kitchen, 2 car garage, gas device in shed, wood fire place in LR
EOHSI-073	
EOHSI-074	garage opens to small hall & to the DR, gas (vented) not often used, all purpose engine cleaner used during samplingl (Father cleans his hand with all purpose engine cleaner right at the beginning of sampling time, Nissan Centra 2000
EOHSI-075	Refrigrator for filtered water, acrylic used 2 months ago, raid used for ants 3 days ago, bathroom treams painted on August 2005
EOHSI-076	basement is for storage only, 5/05 bathroom wall fl was renovated, one filter for the well with stone - not sure, septic 4/05 only pumped, propane fuel
EOHSI-077	filter on frig for drinking water, smell strong gasoline fume in storage, garage leads to the FR and to storage rm, paint, gasoline storage can all in storage room, 2 car garage only car park in winter, paint and thinner stored in basement, pesticide stored in storage room next to garage, shed has pool
EOHSI-078	basement unfinished, some crawl area, 11/04 front siding stucco replaced, kitchen sink has reverse osmosis , filter on frig for water, garage leads to kitchen, 2 car most of the time , snow blower and more in shed, 2 separate unit of air central conditioning, gas fire place never used, fish, wooden
EOHSI-079	closed porch and basement (play room & comupter), basement not completely finished, kitchen renovated 11/04, garage next to living room, all devices in shed
EOHSI-080	all devices in basment, steam board
EOHSI-081	garage leads to the basement/laundry/bath room, fertilizer 2 wks. Ago, Honda Civic 1997 every day in garage plus snow blower
EOHSI-082	2/05 kitchen and den were renovated, old apint in BR closet, electri fuel for mudroom only, christmas tree is being set up today
EOHSI-083	3 rooms in basement, septic 1 yr ago cleaned, gas device in shed, oil tank in basement, fire place used rarely
EOHSI-084	carbon purification system for drinking water, septic cleaned in fall 2004
EOHSI-085	basement for storage, kitchen renovation 8/04, bathroom renovation 3/05, painting bathrm 10/05, garage changed to bedroom, gas device in shed, wood fire place only when cold, raid (spider spray), new bedroom and living room sets
EOHSI-086	split half level down, garage to reckroom hall, 2 cars, Toyota Acura 2005, SUV General Motors 2004, storage can and blowers in garage, gas fire place
EOHSI-087	electri stove, wood fire place in LR occasionaly, 12/8/05 was cleaning day since 9am., fantastic & windex were used for cleaning
EOHSI-088	basement always open to the house, 3/05 wall removed window replaced, stain remover for carpet and furniture in basement, kerosene lamp in basement under the deck outside, above ground oil tank in basement, deodorizer outside for cats, nail polish remover in basement, dry cleaned in
EOHSI-089	10/05 FR floor (wood) was renovated, shed for everything, 2 separate units of air conditioning, Toyota Camry 2000
EOHSI-090	septic cleaned in 2004, garage to indoor porch to the kitchen, 2 car garage, Toyota Camry 2005, Chevy Malibou 1999, wood stove used rarly, wood fire place used not often
EOHSI-091	2 yrs old house, 2 car garage, electric heater 3 of the rms, gas fire place most days, incense once, turtle, Subaru Forester 2001, Audi 9OCS 1993
EOHSI-092	basement is entertaiment room, snowblower in garage, gas fire place everyday, real christmas tree
EOHSI-093	basement is play room and storage, lawn mower in garage, propane weed wacker, dry clean in the house 3 days ago, motballs in basement, Ford Windstar 1995, Toyota Camry 1992
EOHSI-094	lawn mower small storage can, garage leads to FR, Toyota Corolla 1991, Mazda MPV 1994
EOHSI-095	fire place in usde very few times
EOHSI-096	water filter in kitchen only, snow blower in garage and everything else in shed, gas fire place couple times a year in LR, dry clean at home 2wks ago, Jeep Larado 1991, Jeep Landrover 1994
EOHSI-097	septic cleaned 1 yr ago, garage leads to basement, wood fire place, Chevy SUV 2004
EOHSI-098	basement has excersie rm, garage leads to a hall (laundry - bathrm) to the kitchen, tiller & small storage can in garage, fire place never used, Toyota camr 1995, Honda Accord 2000
EOHSI-099	chacole filter in kitchen, garage leads to a hall (laundry-utility rm) in basement/1st fl, Honda Accord 2005
EOHSI-100	snow blower, kerosene storage can and gasolin storage can all in garage, kerosene and gasfuel, kerosene is used in LR
EOHSI-101	unfinished basement, garage leads to FR, everything in shed, Mercury 2003

NJDEP Indoor Air Study: Codes to the answers in

Since some questions were added later, the assigned numbers are not consistant.

Q1 (Race / Culture)	Q2 (Building Type)
A - White	A - Mobile home or trailer
B - African American	B - One family house or townhouse detached from any other house
C - American Indian	C - One family house or townhouse attached on one side to another
D - Eskimo or Aleut	D - One family house or townhouse attached on both sides to house
E - Asian or Pacific Islander	E - Building with 2 apartments, condos or co-ops
F - Hispanic	F - Building with 3 or 4 apartments, condos or co-ops
F- 1.- Mexican American	G - Building with 5 to 9 apartments, condos or co-ops
F- 2. Hispanic White	H - Building with 10 to 19 apartments, condos or co-ops
F- 3. Hispanic Black	I - Building with 20 to 49 apartments, condos or co-ops
F- 4. Hispanic Other	J - Building with 50 or more apartments, condos or co-ops
G - Other	K - Other

Q12 (Attached garage)	Q13 (garage location)
	A - Underneath the mail living quarters B - Same level as the main living quarters C - Other

Q23 (Wood stove)	Q24 (Fireplace)

Q34 (pesticide/Herbiside)

Baseline Questionnaire

Q3 (Number of rooms)	Q4 (basement / living basement)	Q5 (Building age)
Q3: number of rooms includes the rooms in the basement as well		A - 1995 - present B - 1985 - 1994 C - 1975 - 7984 D - 1960 - 1975 E - 1945 - 1959 F - 1900 - 1944 G - Before 1900 H - Don't know

Q14 (garage doorway)	Q15 (Car in garage)	Q16 (Gasoline device)

Q25 (Products)	Q26 (House pets)	Q27 (Smoke past week)
A- Mothballs	A- No Pet	A - A lot of smoke most of the time
B- Deodorizer	B- Dogs	B - Some smoke most of the time
C- Room Air Freshner	C- Cats	C - Some smoke occasionally
D- Scented Candles	D- Gerbils	D - Never smoky
E- Incense	E- Hamsters	E - Don't Know
F- paint/Thinner/Strippers	F-Rabbits	
G- Nail Polish/Polish Remover	G- Guinea pigs	
H- Other,specify	H- Birds	
I- Nothing	I- Other, specify	

Q6 (Renovation)	**Q7** (Professionally cleaned)
A - Yes	A - Yes
B - Yes, don't know when	B - Yes, don't know when
C - Not Renovated	C - Not Prof. Cleaned
D - Don't Know	D - Don't Know

Q17 (Air conditioning)	**Q18** (air conditioning type)
	A - Central unit/units
	B - Window or wall unit/units
	C -Portable unit/units
	D - Evaporative cooler
	E - Other

Q28 (Smoke while sampling)	**Q29** (house painted/Date/Where)
F - A lot of smoke most of the time	
G - Some smoke most of the time	
H - Some smoke occasionally	
I - Never smoky	
J - Don't Know	

Q8 (Water for house)	**Q9** (water for cooking)
A - Public or Commercial Waters System	A - Tap or faucet
B - Private Well	B - Bottled Water
C - Some other sources	C - Both, tap & bottled
D - Don't Know	

Q19 (Heating Fuel)	**Q20** (Central Heating)

Q30 (New Carpeting)	**Q31** (New Furniture)
A - Yes, it was carpeted	A - Yes, new furniture ws moved into house
B - Yes, it was installed but I don't kow when	B - Yes, new upholstery was moved into house
C - No new carpet installed	C - No new furniture or upholstery
D - Don't Know	D - Don't Know

Q10 (water treatment)	**Q11 (Septic / Date / cleaned with)**
A- No B - Softner C - Charcoal Filter D - Reverse Osmosis E - Distilled F - Other	

Q21 (Kerosene)	**Q22 (Unvented gas heater)**

Q32 (Dryclean past week)	**Q33 (Chemical spill)**

#30 for ID's 1 - 15	# 31 for ID's 16 - 35
A - Yes, new furniture ws moved into house	
B - Yes, new upholstery was moved into house	
C - No new furniture or upholstery	
D - Don't Know	

Appendix C

NJDEP Indoor Air

Results for Individual Samples

Concentrations in $\mu g/m^3$

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Molecular W.	58.078	78.108	163.83	106.96	252.75	94.9	54.1	72.11	76.1	153.81	112.55
	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
EOHSI-001	6445	31	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.5 U	1.6 U	3.1 U	2.3 U
EOHSI-002	6315	12	2.1	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	3.5	1.6 U	3.1 U	2.3 U
EOHSI-003	6211	36	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.4	1.6 U	3.1 U	2.3 U
EOHSI-004	6478	12 U	3	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.7	1.6 U	3.1 U	2.3 U
EOHSI-005	6278A	31	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	2.9	1.6 U	3.1 U	2.3 U
EOHSI-006	6227	76	2.6	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	6.2	2.8	3.1 U	2.3 U
EOHSI-007	6202	15	1.9	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	2.7	1.6 U	3.1 U	2.3 U
EOHSI-008	6445	14	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	3.5	1.6 U	3.1 U	2.3 U
EOHSI-009 (009, 009DL)	6534	430 D	5.1	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.1	1.6 U	3.1 U	2.3 U
EOHSI-010	6449	24	4.8	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	3.8	1.6 U	3.1 U	2.3 U
EOHSI-011	6540	26	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	15	1.6 U	3.1 U	2.3 U
EOHSI-012	6575	20	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	3.2	1.6 U	3.1 U	2.3 U
EOHSI-013	6622	45	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.7	1.6 U	3.1 U	2.3 U
EOHSI-014	6322	19	2	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	2.9	1.6 U	3.1 U	2.3 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
EOHSI-015	6539	18	4.8	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	2.4	1.6 U	3.1 U	2.3 U
EOHSI-016	6225	45	2	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.4	1.6 U	3.1 U	2.3 U
EOHSI-017	6290	62	13	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.7	1.6 U	3.1 U	2.3 U
EOHSI-018	6230	62	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	10	1.6 U	3.1 U	2.3 U
EOHSI-019 (019,019DL)	6322	88	14.0	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	21	1.6 U	3.1 U	2.3 U
EOHSI-020	6539	38	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.5 U	1.6 U	3.1 U	2.3 U
EOHSI-021	6528	14	1.7	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.5 U	1.6 U	3.1 U	2.3 U
EOHSI-023	6269	33	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.8	1.6 U	3.1 U	2.3 U
EOHSI-024	7000	52	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	8.3	1.6 U	3.1 U	2.3 U
EOHSI-025	6504	43	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	5.0	1.6 U	3.1 U	2.3 U
EOHSI-026	6528	38	2.5	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.5 U	1.6 U	3.1 U	2.3 U
EOHSI-027	6292	69	12.0	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.5 U	1.6 U	3.1 U	2.3 U
EOHSI-028	6593	83	11.0	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	8.0	1.6 U	3.1 U	2.3 U
EOHSI-029	6680	74	2.1	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	2.6	1.6 U	3.1 U	2.3 U
EOHSI-030	6676	570	1.6	3.4	2.2	5.2	1.9	1.1	32.0	1.6	3.1	2.3

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
		D	U	U	U	U	U	U		U	U	U
EOHSI-031	6266	150 D	2.7	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	18.0	1.6 U	3.1 U	2.3 U
EOHSI-032	6779	90	1.6	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	17.0	1.6 U	3.1 U	2.3 U
EOHSI-033	6772	2900 D	1.8	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	32.0	1.6 U	3.1 U	2.3 U
EOHSI-034	6677	100 D	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.1	1.6 U	3.1 U	2.3 U
EOHSI-035	6765	100 D	24.0	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	11.0	1.6 U	3.1 U	2.3 U
EOHSI-036	6726	45	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	8.3	1.6 U	3.1 U	2.3 U
EOHSI-037	6579	26	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.7	1.6 U	3.1 U	2.3 U
EOHSI-038	6708	88	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	6.5	1.6 U	3.1 U	2.3 U
EOHSI-039	6764	55	2.0	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.1	1.6 U	3.1 U	2.3 U
EOHSI-040	6766	29	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.5 U	1.6 U	3.1 U	2.3 U
EOHSI-041	6830	190 D	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.5 U	1.6 U	3.1 U	2.3 U
EOHSI-042	6557	36	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	6.2	1.6 U	3.1 U	2.3 U
EOHSI-043	6834	48	8.3	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	5.9	1.6 U	3.1 U	2.3 U
EOHSI-044	6345	38	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	7.7	1.6 U	3.1 U	2.3 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
EOHSI-045	6320	33	3.5	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	5.3	1.6 U	3.1 U	2.3 U
EOHSI-046	6668	17	1.8	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	3.8	1.6 U	3.1 U	2.3 U
EOHSI-047	6630	36	2.3	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	2.9	1.6 U	3.1 U	2.3 U
EOHSI-048	6564	74	7.0	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	4.1	1.6 U	3.1 U	2.3 U
EOHSI-049	6797	22	9.6	3.4 U	2.2 U	5.2 U	1.9 U	1.3	32.0	1.6 U	3.1 U	2.3 U
EOHSI-050 mdl changed	6692	12 U	1.6 U	3.4 U	2.2 U	5.2 U	1.9 U	1.1 U	1.5 U	1.6 U	3.1 U	2.3 U
EOHSI-051	6679	26	0.8	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	1.5 U	1.6 U	1.3 U	0.9 U
EOHSI-151	6236	26	0.8	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	2.9	1.6 U	1.3 U	0.9 U
EOHSI-052	6650	12 U	1.5	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	2.4	1.6 U	1.3 U	0.9 U
EOHSI-152	6757	12 U	1.5	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	2.5	1.6 U	1.3 U	0.9 U
EOHSI-053	6608	55	5.4	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	8.0	1.6 U	1.3 U	0.9 U
EOHSI-054	6824	110 D	2.7	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	2.8	1.6 U	1.3 U	0.9 U
EOHSI-055	6315	40	6.1	1.3 U	0.9 U	2.1 U	0.8 U	1.3	2.8	1.6 U	1.3 U	0.9 U
EOHSI-056	6596	26	0.8	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	1.9	1.6 U	1.3 U	0.9 U
EOHSI-057	6553	48	2.4	1.3	0.9	2.1	0.8	0.4	2.7	1.6	1.3	0.9

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
				U	U	U	U	U		U	U	U
EOHSI-058	6860	24	1.8	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	2.5	1.6 U	1.3 U	0.9 U
EOHSI-158	6524	12	1.9	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	1.5 U	1.6 U	1.3 U	0.9 U
EOHSI-059	7069	16	1.7	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	2.7	1.6 U	1.3 U	0.9 U
EOHSI-159	6459	14	1.5	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	1.5	1.6 U	1.3 U	0.9 U
EOHSI-060N	6468	69	2.3	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	13.0	1.6 U	1.3 U	0.9 U
EOHSI-060E	6358	50	8.0	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	20.0	1.6 U	1.3 U	0.9 U
EOHSI-061	6579	52	2.5	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	3.8	1.6 U	1.3 U	0.9 U
EOHSI-062	6858	19	1.9	1.3 U	0.9 U	2.1 U	0.8 U	0.4 U	2.1	1.6 U	1.3 U	0.9 U
EOHSI-063	6862	22	0.64 U	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-064N	6738	36	1.6	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	4.1	1.6 U	1.3 U	0.92 U
EOHSI-064E	6702	31	1.7	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	1.6	1.6 U	1.3 U	0.92 U
EOHSI-065N	6770	48	0.93	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	4.1	1.6 U	1.3 U	0.92 U
EOHSI-065E	6909	36	1	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	3.2	1.6 U	1.3 U	0.92 U
EOHSI-066	7014	26	0.86	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	1.9	1.6 U	1.3 U	0.92 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
EOHSI-067N	6817	26	18	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	2.4	1.6 U	1.3 U	0.92 U
EOHSI-067E	6707	17	30	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	1.7	1.6 U	1.3 U	0.92 U
EOHSI-068	6693	29	0.8	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	1.9	1.6 U	1.3 U	0.92 U
EOHSI-069	6843	33	0.64 U	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	160 D	1.6 U	1.3 U	0.92 U
EOHSI-070N	6393	45	5.1	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	4.4	1.6 U	1.3 U	0.92 U
EOHSI-070E	7125	52	4.8	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	5.3	1.6 U	1.3 U	0.92 U
EOHSI-071N	6645	71	42	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	28	1.6 U	1.3 U	0.92 U
EOHSI-071E	6327	74	38	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	26	1.6 U	1.3 U	0.92 U
EOHSI-072N	6948	52	1.3	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	4.4	1.6 U	1.3 U	0.92 U
EOHSI-072E	7103	55	1.3	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	4.4	1.6 U	1.3 U	0.92 U
EOHSI-073	6811	48	11	1.3 U	0.87 U	2.1 U	0.78 U	2.1	5	1.6 U	1.3 U	0.92 U
EOHSI-074N	6489	21	3.2	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	1.9	1.6 U	1.3 U	0.92 U
EOHSI-074E	6793	20	3.1	1.3 U	0.87 U	2.1 U	0.78 U	0.44 U	1.9	1.6 U	1.3 U	0.92 U
EOHSI-075	6301	57	1.1	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	4.4	1.6 U	1.3 U	0.92 U
EOHSI-076	6407	710	0.67	1.3	0.87	2.1	0.78	1.1	7.1	1.6	1.3	0.92

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
		D		U	U	U	U	U		U	U	U
EOHSI-077	6559	29	7.7	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	4.4	1.6 U	1.3 U	0.92 U
EOHSI-078N	7094	48	1.6	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	5.6	4.4	1.3 U	0.92 U
EOHSI-078E	6984	48	1.6	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	5.6	4.7	1.3 U	0.92 U
EOHSI-079	6753	50	1.1	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	5.3	1.6 U	1.3 U	0.92 U
EOHSI-080	6220	22	3.2	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.9	1.6 U	1.3 U	0.92 U
EOHSI-081N	7053	81	11	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	2.1	1.6 U	1.3 U	0.92 U
EOHSI-081E	6999	26	8.3	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	2.2	1.6 U	1.3 U	0.92 U
EOHSI-082	6500	31	6.4	1.3 U	0.87 U	2.1 U	0.78 U	4.2	4.1	1.6 U	1.3 U	0.92 U
EOHSI-083	6779	23	0.67	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	2.3	1.6 U	1.3 U	0.92 U
EOHSI-084N	6976	16	2.5	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.9	1.6 U	1.3 U	0.92 U
EOHSI-084E	6889	12 U	3.1	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-085	6644	190 D	1.7	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.7	1.6 U	1.3 U	0.92 U
EOHSI-086N	6705	12 U	1.7	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-086E	7060	12 U	2.6	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
EOHSI-087	6393	12 U	1.2	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-088	6995	19	0.67	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-089N	2730	15	1.7	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	12	1.6 U	1.3 U	0.92 U
EOHSI-089E	3004	15	1.8	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	17	1.6 U	1.3 U	0.92 U
EOHSI-090	3361	23	1.8	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	3.2	1.6 U	1.3 U	0.92 U
EOHSI-091N	2743	36	2.7	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	2.6	1.6 U	1.3 U	0.92 U
EOHSI-091E	2567	40	2.8	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.9	1.6 U	1.3 U	0.92 U
EOHSI-092	2728	14	1.9	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5	1.6 U	1.3 U	0.92 U
EOHSI-093N	2584	15	27	1.3 U	0.87 U	2.1 U	0.78 U	4.4	3.2	1.6 U	1.3 U	0.92 U
EOHSI-093E	2596	15	32	1.3 U	0.87 U	2.1 U	0.78 U	3.8	6.5	1.6 U	1.3 U	0.92 U
EOHSI-094N	2966	24	2.9	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	4.1	1.6 U	1.3 U	0.92 U
EOHSI-094E	3452	21	3.2	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	3.5	2.4	1.3 U	0.92 U
EOHSI-095	2945	15	1.9	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.7	1.6 U	1.3 U	0.92 U
EOHSI-096N	2737	31	9.9	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	3.5	1.6 U	1.3 U	0.92 U
EOHSI-096E	3030	23	14	1.3	0.87	2.1	0.78	1.1	2.3	1.6	1.3	0.92

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Acetone (2-propanone)	Benzene	Bromodichloromethane	Bromoethene	Bromoform	Bromomethane (Methyl bromide)	1,3-Butadiene	2-Butanone (Methyl ethyl ketone)	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
				U	U	U	U	U		U	U	U
EOHSI-097N	2694	20	1.4	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-097E	3343	24	1.8	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-197N	3663	21	1.4	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-197E	3029	23	1.8	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-098N	2897	12 U	1.8	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-098E	3157	12 U	2.1	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-099N	2797	12	3.8	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-099E	3521	12 U	3.5	1.3 U	0.87 U	2.1 U	0.78 U	1.1 U	1.5 U	1.6 U	1.3 U	0.92 U
EOHSI-100	3524	31	5.4	1.3 U	0.87 U	2.1 U	0.78 U	1.3	1.9	1.6 U	1.3 U	0.92 U
EOHSI-101N	3342	40	3.2	1.3 U	0.87 U	2.1 U	0.78 U	0.91	2.9	1.6 U	1.3 U	0.92 U
EOHSI-101E	3668	18	11	1.3 U	0.87 U	2.1 U	0.78 U	2.7	2.2	1.6 U	1.3 U	0.92 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Molecular W.	64.5	119.38	50.5	76.5	126.59	84.2	208.29	187.87	147.0	147.0	147.0	120.91
	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
EOHSI-001	6445	1.3 U	2.4 U	1.4	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	3.6
EOHSI-002	6315	1.3 U	2.4 U	1 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	4.5
EOHSI-003	6211	1.3 U	2.4 U	1 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	2.5 U
EOHSI-004	6478	1.3 U	2.4 U	1.2	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	2.7
EOHSI-005	6278A	1.3 U	2.4 U	1 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	4.7
EOHSI-006	6227	1.3 U	2.4 U	2.1	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	4
EOHSI-007	6202	1.3 U	2.4 U	1 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	3.1
EOHSI-008	6445	1.3 U	2.4 U	1.1	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	3
EOHSI-009 (009, 009DL)	6534	1.3 U	2.4 U	1.6	1.6 U	2.6 U	52	4.3 U	3.8 U	3 U	3 U	3 U	2.7
EOHSI-010	6449	1.3 U	2.4 U	1.7	1.6 U	2.6 U	2.6	4.3 U	3.8 U	3 U	3 U	3 U	3.2
EOHSI-011	6540	1.3 U	2.4 U	1.8	1.6 U	2.6 U	2.6	4.3 U	3.8 U	3 U	3 U	3 U	4
EOHSI-012	6575	1.3 U	2.4 U	1.6	1.6 U	2.6 U	1.9	4.3 U	3.8 U	3 U	3 U	3 U	3
EOHSI-013	6622	1.3 U	2.4 U	1.5	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	160
EOHSI-014	6322	1.3 U	2.4 U	1.5	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	3.5

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
EOHSI-015	6539	1.3 U	4	1.1	1.6 U	2.6 U	6.9	4.3 U	3.8 U	16	3 U	3 U	89
EOHSI-016	6225	1.3 U	2.4 U	2	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	4.3
EOHSI-017	6290	1.3 U	2.4 U	2.1	1.6 U	2.6 U	4.5	4.3 U	3.8 U	3 U	3 U	3 U	3.3
EOHSI-018	6230	1.3 U	2.4 U	1.8	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	3
EOHSI-019 (019,019DL)	6322	1.3 U	2.4 U	3.3	1.6 U	2.6 U	3.8	4.3 U	3.8 U	3 U	3 U	3 U	2.9
EOHSI-020	6539	1.3 U	2.4 U	1 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	3.4
EOHSI-021	6528	1.3 U	2.4 U	1 U	1.6 U	2.6 U	2.1	4.3 U	3.8 U	3 U	3 U	3 U	21
EOHSI-023	6269	1.3 U	2.4 U	0.99 D	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3 U	3 U	3 U	2.8
EOHSI-024	7000	1.3 U	2.4 U	1.5	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	17.0	4.2
EOHSI-025	6504	1.3 U	2.4 U	1.3	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	3.3
EOHSI-026	6528	1.3 U	2.4 U	1.0 U	1.6 U	2.6 U	2.5	4.3 U	3.8 U	3.0 U	3.0 U	4.4	4.2
EOHSI-027	6292	1.3 U	2.4 U	1.0 U	1.6 U	2.6 U	4.5	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	27.0
EOHSI-028	6593	1.3 U	2.4 U	1.4	1.6 U	2.6 U	6.2	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	2.5 U
EOHSI-029	6680	1.3 U	3.4	1.5	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	2.6
EOHSI-030	6676	1.3	2.4	1.5	1.6	2.6	1.7	4.3	3.8	3.0	3.0	3.0	2.6

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
		U	U		U	U	U	U	U	U	U	U	
EOHSI-031	6266	1.3 U	2.4 U	1.7	1.6 U	6.2	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	6.0	2.7
EOHSI-032	6779	1.3 U	2.6	1.5	1.6 U	2.6 U	2.1	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	2.5 U
EOHSI-033	6772	1.3 U	2.4 U	1.7	1.6 U	2.6 U	1.8	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	3.2
EOHSI-034	6677	1.3 U	4.9	1.7	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	36.0
EOHSI-035	6765	1.3 U	2.4 U	1.1	1.6 U	2.6 U	12.0	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	8.9
EOHSI-036	6726	1.3 U	3.6	1.2	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	2.7
EOHSI-037	6579	1.3 U	2.4 U	1.0 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	3.6
EOHSI-038	6708	1.3 U	2.4 U	1.8	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	11.0
EOHSI-039	6764	1.3 U	2.4 U	1.7	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	9.6	3.6
EOHSI-040	6766	1.3 U	2.4 U	1.0 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	210.0	3.2
EOHSI-041	6830	1.3 U	2.5	1.0 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	4.9
EOHSI-042	6557	1.3 U	2.4 U	1.4	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	3.0
EOHSI-043	6834	1.3 U	2.4 U	1.1	1.6 U	2.6 U	3.8	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	4.1
EOHSI-044	6345	1.3 U	2.4 U	1.2	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	3.2

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
EOHSI-045	6320	1.3 U	2.4 U	1.2	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	4.0
EOHSI-046	6668	1.3 U	2.4 U	1.0 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	3.0
EOHSI-047	6630	1.3 U	2.4 U	1.0 U	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	9.4
EOHSI-048	6564	1.3 U	2.4 U	1.7	1.6 U	3.6	3.8	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	4.0
EOHSI-049	6797	1.3 U	2.4 U	1.0 U	1.6 U	2.6 U	1.8	4.3 U	3.8 U	3.0 U	3.0 U	23.0	3.5
EOHSI-050 mdl changed	6692	1.3 U	2.4 U	1.4	1.6 U	2.6 U	1.7 U	4.3 U	3.8 U	3.0 U	3.0 U	3.0 U	3.6
EOHSI-051	6679	0.5 U	1.0 U	1.2	0.6 U	1.0 U	0.7 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.8
EOHSI-151	6236	0.5 U	1.0 U	1.2	0.6 U	1.0 U	0.7 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.0
EOHSI-052	6650	0.5 U	1.0 U	1.1	0.6 U	1.0 U	0.7 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.9
EOHSI-152	6757	0.5 U	1.0 U	1.3	0.6 U	1.0 U	0.7 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.7
EOHSI-053	6608	0.5 U	1.0 U	1.3	0.6 U	1.0 U	1.6	1.7 U	1.5 U	1.2 U	1.2 U	1.4	3.9
EOHSI-054	6824	0.5 U	1.0 U	1.4	0.6 U	1.0 U	1.3	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.1
EOHSI-055	6315	0.5 U	2.4	1.3	0.6 U	1.0 U	0.7 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.9
EOHSI-056	6596	0.5 U	1.1	1.4	0.6 U	1.0 U	0.7	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.7
EOHSI-057	6553	0.5	1.0	1.1	0.6	1.0	0.9	1.7	1.5	1.2	1.2	1.2	2.5

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
		U	U		U	U		U	U	U	U	U	U
EOHSI-058	6860	0.5 U	1.0 U	1.1	0.6 U	1.0 U	2.5	1.7 U	1.5 U	1.2 U	1.2 U	1.7	2.6
EOHSI-158	6524	0.5 U	1.0 U	1.0 U	0.6 U	1.0 U	2.0	1.7 U	1.5 U	1.2 U	1.2 U	2.0	2.5 U
EOHSI-059	7069	0.5 U	1.0 U	1.3	0.6 U	1.0 U	0.7 U	1.7 U	1.5 U	1.2 U	1.2 U	2.9	2.6
EOHSI-159	6459	0.5 U	1.0 U	1.5	0.6 U	1.0 U	0.7 U	1.7 U	1.5 U	1.2 U	1.2 U	2.4	2.6
EOHSI-060N	6468	0.5 U	2.8	1.9	0.6 U	1.0 U	1.2	1.7 U	1.5 U	1.2 U	1.2 U	5.5	2.5 U
EOHSI-060E	6358	0.5 U	1.2	1.5	0.6 U	1.0 U	2.4	1.7 U	1.5 U	1.2 U	1.2 U	1.8	2.5 U
EOHSI-061	6579	0.5 U	4.9	2.1	0.6 U	1.0 U	2.7	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-062	6858	0.5 U	1.0 U	1.6	0.6 U	1.0 U	1.2	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.3
EOHSI-063	6862	0.53 U	1.2	1.9	0.63 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-064N	6738	0.53 U	0.98 U	1.5	0.63 U	1 U	1.3	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	6.4
EOHSI-064E	6702	0.53 U	0.98 U	1.4	0.63 U	1 U	1.4	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4.7
EOHSI-065N	6770	0.53 U	0.98 U	1.6	0.63 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-065E	6909	0.53 U	0.98 U	1.9	0.63 U	1 U	1.2	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.8
EOHSI-066	7014	0.53 U	0.98 U	1.3	0.63 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.6

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
EOHSI-067N	6817	0.53 U	0.98 U	1 U	0.63 U	1 U	6.2	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-067E	6707	0.53 U	0.98 U	1 U	0.63 U	1 U	10	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-068	6693	0.53 U	0.98 U	1 U	0.63 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	39
EOHSI-069	6843	0.53 U	0.98 U	1 U	0.63 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-070N	6393	0.53 U	1.1	1 U	0.63 U	1 U	1.5	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-070E	7125	0.53 U	1.2	1.1	0.63 U	1 U	1.4	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3
EOHSI-071N	6645	0.53 U	0.98 U	1 U	0.63 U	1 U	38	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-071E	6327	0.53 U	0.98 U	1 U	0.63 U	1 U	34	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.5 U
EOHSI-072N	6948	0.53 U	4.9	1.3	0.63 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.9
EOHSI-072E	7103	0.53 U	5.4	1.4	0.63 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.9
EOHSI-073	6811	1.3 U	0.98	1.5	0.63 U	1 U	5.9	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	43
EOHSI-074N	6489	0.53 U	1.8	1.2	0.63 U	1 U	0.69	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.7
EOHSI-074E	6793	0.53 U	1.7	1.2	0.63 U	1 U	0.83	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.6
EOHSI-075	6301	0.53 U	1.6	1.2	1.6 U	1 U	1	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.7
EOHSI-076	6407	0.53	1.1	1.3	1.6	1.6	0.69	1.7	1.5	1.2	1.2	3.7	2.6

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
		U			U		U	U	U	U	U		
EOHSI-077	6559	0.53 U	5.4	2.3	1.6 U	1 U	8.6	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.1
EOHSI-078N	7094	0.53 U	0.98 U	1.4	1.6 U	1 U	2	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	5.4
EOHSI-078E	6984	0.53 U	0.98 U	1.4	1.6 U	1 U	1.9	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4.6
EOHSI-079	6753	0.53 U	2.4	1.4	1.6 U	1 U	1.4	1.7 U	1.5 U	1.2 U	1.2 U	1.6	3.7
EOHSI-080	6220	1.3 U	4	1.5	1.6 U	1 U	1.8	1.7 U	1.5 U	1.2 U	1.2 U	2.2	5.9
EOHSI-081N	7053	1.3 U	5.9	1.2	1.6 U	1 U	3.8	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.8
EOHSI-081E	6999	1.3 U	1.9	1.3	1.6 U	1 U	2.4	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.9
EOHSI-082	6500	1.3 U	0.98 U	6.2	1.6 U	1 U	0.86	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3
EOHSI-083	6779	1.3 U	0.98 U	1.3	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4.7
EOHSI-084N	6976	1.3 U	0.98 U	1.9	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4.1
EOHSI-084E	6889	1.3 U	0.98 U	1.7	1.6 U	1 U	0.69	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4
EOHSI-085	6644	1.3 U	2	1.8	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4
EOHSI-086N	6705	1.3 U	0.98 U	1.3	1.6 U	1 U	0.69	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.9
EOHSI-086E	7060	1.3 U	0.98 U	1.3	1.6 U	1 U	1.2	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
EOHSI-087	6393	1.3 U	0.98 U	1.7	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4.2
EOHSI-088	6995	1.3 U	0.98 U	1.2	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	2.8
EOHSI-089N	2730	1.3 U	0.98 U	1.1	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3
EOHSI-089E	3004	1.3 U	0.98 U	1.2	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.2
EOHSI-090	3361	1.3 U	2.2	2.9	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4.3
EOHSI-091N	2743	1.3 U	1.4	1.3	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.2
EOHSI-091E	2567	1.3 U	1.6	1.3	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3
EOHSI-092	2728	1.3 U	0.98	2	1.6 U	1 U	0.72	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	5.9
EOHSI-093N	2584	1.3 U	0.98 U	1.3	1.6 U	1 U	7.2	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	11
EOHSI-093E	2596	1.3 U	0.98 U	1.4	1.6 U	1 U	10	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	15
EOHSI-094N	2966	1.3 U	0.98 U	2.1	1.6 U	1 U	1.3	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4.3
EOHSI-094E	3452	1.3 U	0.98 U	1.8	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	4.3
EOHSI-095	2945	1.3 U	1.5	1.8	1.6 U	1 U	0.69 U	1.7 U	1.5 U	1.2 U	1.2 U	20	4.6
EOHSI-096N	2737	1.3 U	0.98 U	1.6	1.6 U	1 U	4.8	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	5.9
EOHSI-096E	3030	1.3	0.98	1.4	1.6	1	6.2	1.7	1.5	1.2	1.2	1.2	6.9

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Chloroethane	Chloroform	Chloromethane (Methyl chloride)	3-Chloropropene (allyl chloride)	2-Chlorotoluene (o-Chlorotoluene)	Cyclohexane	Dibromochloromethane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
		U	U		U	U		U	U	U	U	U	
EOHSI-097N	2694	1.3 U	1.4	1.6	1.6 U	1 U	0.72	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	5.9
EOHSI-097E	3343	1.3 U	0.98 U	1.4	1.6 U	1 U	1.2	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	6.4
EOHSI-197N	3663	1.3 U	1.5	1.5	1.6 U	1 U	0.72	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	5.9
EOHSI-197E	3029	1.3 U	0.98 U	1.6	1.6 U	1 U	1.2	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	6.4
EOHSI-098N	2897	1.3 U	0.98 U	1.7	1.6 U	1 U	0.83	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.5
EOHSI-098E	3157	1.3 U	0.98 U	1.7	1.6 U	1 U	0.69	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.5
EOHSI-099N	2797	1.3 U	0.98 U	2	1.6 U	1 U	1.3	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.6
EOHSI-099E	3521	1.3 U	0.98 U	2	1.6 U	1 U	1.1	1.7 U	1.5 U	1.2 U	1.2 U	1.2 U	3.7
EOHSI-100	3524	1.3 U	1.5	2.1	0.63 U	1 U	2.5	1.7 U	1.5 U	1.2 U	1.2 U	84	3.4
EOHSI-101N	3342	1.3 U	0.98 U	1.8	0.63 U	1 U	1.6	1.7 U	1.5 U	1.2 U	1.2 U	270 D	15
EOHSI-101E	3668	1.3 U	0.98 U	1.7	0.63 U	1 U	4.5	1.7 U	1.5 U	1.2 U	1.2 U	9.6	5.9

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Molecular W.	99.0	99.0	96.94	96.94	96.94	112.99	110.97	110.97	170.92	106.17	120.20	100.21
	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
EOHSI-001	6445	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-002	6315	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-003	6211	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-004	6478	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	4.1	2 U
EOHSI-005	6278A	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-006	6227	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-007	6202	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.3
EOHSI-008	6445	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-009 (009, 009DL)	6534	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	4.3	5.4	7.8
EOHSI-010	6449	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.9	2.5	15
EOHSI-011	6540	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	3.2
EOHSI-012	6575	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	4.1
EOHSI-013	6622	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-014	6322	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
EOHSI-015	6539	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	3.2	3.1	4
EOHSI-016	6225	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.7
EOHSI-017	6290	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	9.6	2.7	9.8
EOHSI-018	6230	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	5.7
EOHSI-019 (019,019DL)	6322	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	25	29	12
EOHSI-020	6539	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-021	6528	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2 U
EOHSI-023	6269	2 U	2 U	2 U	2 U	2 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.2
EOHSI-024	7000	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-025	6504	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-026	6528	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.5	2.5 U	2.7
EOHSI-027	6292	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	12.0	21.0	9.0
EOHSI-028	6593	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	10.0	9.8	14.0
EOHSI-029	6680	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-030	6676	2.0	2.0	2.0	2.0	2.0	2.3	2.3	2.3	3.5	2.3	2.5	2.0

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
		U	U	U	U	U	U	U	U	U		U	U
EOHSI-031	6266	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	3.0	2.5 U	6.6
EOHSI-032	6779	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.3	2.5 U	5.7
EOHSI-033	6772	2.0 U	2.0 U	2.0 U	2.9	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-034	6677	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-035	6765	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	39.0	29.0	23.0
EOHSI-036	6726	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	4.3	2.5 U	2.0 U
EOHSI-037	6579	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-038	6708	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.4
EOHSI-039	6764	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-040	6766	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-041	6830	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-042	6557	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.7	2.5 U	3.2
EOHSI-043	6834	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	8.7	6.9	7.4
EOHSI-044	6345	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	4.9	2.0 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
EOHSI-045	6320	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	4.1	3.2	3.4
EOHSI-046	6668	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-047	6630	2.0 U	3.5	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	9.4
EOHSI-048	6564	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	4.3	4.1	6.6
EOHSI-049	6797	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	11.0	9.3	4.9
EOHSI-050 mdl changed	6692	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3 U	2.3 U	2.3 U	3.5 U	2.2 U	2.5 U	2.0 U
EOHSI-051	6679	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	0.9 U	1.0 U	0.8 U
EOHSI-151	6236	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	0.9 U	1.0 U	0.8 U
EOHSI-052	6650	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	1.1	1.3	1.1
EOHSI-152	6757	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	1.1	1.2	1.1
EOHSI-053	6608	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	6.9	6.9	3.7
EOHSI-054	6824	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	3.2	2.2	4.5
EOHSI-055	6315	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	0.9	1.0 U	1.3
EOHSI-056	6596	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	0.9 U	1.0 U	0.8 U
EOHSI-057	6553	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.4	1.6	1.9	1.6

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
		U	U	U	U	U	U	U	U	U			
EOHSI-058	6860	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	1.0	1.8	3.4
EOHSI-158	6524	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	1.2	2.2	3.6
EOHSI-059	7069	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	0.9 U	1.0 U	1.8
EOHSI-159	6459	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	0.9 U	1.0 U	1.6
EOHSI-060N	6468	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	1.4	1.5	2.8
EOHSI-060E	6358	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	4.0	3.5	4.0
EOHSI-061	6579	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	1.7	3.6	9.4
EOHSI-062	6858	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.9 U	0.9 U	0.9 U	1.4 U	1.1	1.0 U	2.2
EOHSI-063	6862	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	0.82 U
EOHSI-064N	6738	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	1.5
EOHSI-064E	6702	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	3.5	2.1	4.1
EOHSI-065N	6770	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.1	8.4	49
EOHSI-065E	6909	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1	4.6	25
EOHSI-066	7014	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1	0.98 U	1.5

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
EOHSI-067N	6817	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	12	8.4	16
EOHSI-067E	6707	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	21	17	27
EOHSI-068	6693	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	1.4
EOHSI-069	6843	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	2.7	0.82 U
EOHSI-070N	6393	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	10	8.4	2.3
EOHSI-070E	7125	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	9.6	7.9	2.2
EOHSI-071N	6645	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	21	15	18
EOHSI-071E	6327	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	20	14	19
EOHSI-072N	6948	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	2.2	0.98	7
EOHSI-072E	7103	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	2.3	1.1	7.8
EOHSI-073	6811	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	20	11	7.9	7.8
EOHSI-074N	6489	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.7	1.2	1.2
EOHSI-074E	6793	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	2	1.4	1.4
EOHSI-075	6301	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.8	2.1	2.3
EOHSI-076	6407	0.81	0.81	0.79	0.79	0.79	0.92	0.91	0.91	1.4	1.4	1.1	1.7

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
		U	U	U	U	U	U	U	U	U			
EOHSI-077	6559	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	8.3	11	9
EOHSI-078N	7094	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.9	2	7.4
EOHSI-078E	6984	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.9	1.9	7
EOHSI-079	6753	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	1.6
EOHSI-080	6220	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	2.3	0.98 U	2.3
EOHSI-081N	7053	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	5.2	4.5	4.9
EOHSI-081E	6999	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	4	2.9	2.7
EOHSI-082	6500	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.9	1.2	2.2
EOHSI-083	6779	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	1.1	0.9
EOHSI-084N	6976	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.4	0.98 U	1.5
EOHSI-084E	6889	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	2.8	1.3	1.8
EOHSI-085	6644	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.96	1.2	1.9
EOHSI-086N	6705	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	1.3
EOHSI-086E	7060	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.1	1	1.8

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
EOHSI-087	6393	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	0.82
EOHSI-088	6995	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87	0.98 U	0.82 U
EOHSI-089N	2730	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	0.82 U
EOHSI-089E	3004	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1	0.98 U	0.82 U
EOHSI-090	3361	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.2	0.98 U	2
EOHSI-091N	2743	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.9	1.8	1.8
EOHSI-091E	2567	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.8	1.5	1.8
EOHSI-092	2728	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1	1	1.7
EOHSI-093N	2584	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	15	14	17
EOHSI-093E	2596	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	19	17	21
EOHSI-094N	2966	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	2.1	3.6	3.5
EOHSI-094E	3452	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	2.3	3.4	4.1
EOHSI-095	2945	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1	0.98 U	1.4
EOHSI-096N	2737	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	5.2	4.3	7.8
EOHSI-096E	3030	0.81	0.81	0.79	0.79	0.79	0.92	0.91	0.91	1.4	7.8	6.4	9.8

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene (cis)	1,2-Dichloroethene (trans)	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane (Freon 114)	Ethylbenzene	4-Ethyltoluene (p-Ethyltoluene)	n-Heptane
		U	U	U	U	U	U	U	U	U			
EOHSI-097N	2694	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	0.82 U
EOHSI-097E	3343	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	1.1
EOHSI-197N	3663	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	0.82
EOHSI-197E	3029	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	1.2
EOHSI-098N	2897	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1	0.98	1.1
EOHSI-098E	3157	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.1	1.1	1.4
EOHSI-099N	2797	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1	1.3	2.5
EOHSI-099E	3521	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	0.87 U	0.98 U	2.1
EOHSI-100	3524	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	5.6	4.5	4
EOHSI-101N	3342	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	1.4	1.4	2.3
EOHSI-101E	3668	0.81 U	0.81 U	0.79 U	0.79 U	0.79 U	0.92 U	0.91 U	0.91 U	1.4 U	4.8	3.9	7

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Molecular W.	260.76	86.172	84.93	100.16	88.15	104.15	74.1	167.85	165.83	92.14	181.45	133.41
	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
EOHSI-001	6445	5.3 U	1.9	1.7 U	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	3.7	3.7 U	2.7 U
EOHSI-002	6315	5.3 U	2.8	1.7 U	2 U	5	2.1 U	15 U	3.4 U	3.4 U	17	3.7 U	2.7 U
EOHSI-003	6211	5.3 U	1.8 U	1.7 U	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	2.9	3.7 U	2.7 U
EOHSI-004	6478	5.3 U	2.6	1.7 U	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	4.9	3.7 U	2.7 U
EOHSI-005	6278A	5.3 U	1.8 U	1.7 U	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	2.9	3.7 U	2.7 U
EOHSI-006	6227	5.3 U	3.9	1.7 U	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	9.8	3.7 U	2.7 U
EOHSI-007	6202	5.3 U	7	1.7 U	2 U	30	2.1 U	15 U	3.4 U	3.4 U	11	3.7 U	2.7 U
EOHSI-008	6445	5.3 U	2.3	1.7 U	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	6	3.7 U	2.7 U
EOHSI-009 (009, 009DL)	6534	5.3 U	16	1.7 U	2 U	36	2.1 U	15 U	3.4 U	3.4 U	53	3.7 U	2.7 U
EOHSI-010	6449	5.3 U	3.2	1.7 U	2 U	6.5	2.1 U	15 U	3.4 U	3.4 U	14	3.7 U	2.7 U
EOHSI-011	6540	5.3 U	1.8 U	4.9	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	4.9	3.7 U	2.7 U
EOHSI-012	6575	5.3 U	3.2	1.7 U	2 U	1.8	2.1 U	15 U	3.4 U	3.4 U	7.5	3.7 U	2.8
EOHSI-013	6622	5.3 U	2	1.7 U	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	8.7	3.7 U	2.7 U
EOHSI-014	6322	5.3 U	4.2	2.3	2 U	4.7	2.1 U	15 U	3.4 U	3.4 U	8.7	3.7 U	2.7 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
EOHSI-015	6539	5.3 U	14	3.3	2 U	12	2.1 U	15 U	3.4 U	3.4 U	21	3.7 U	2.7 U
EOHSI-016	6225	5.3 U	3.5	4.2	2 U	3.5	2.1 U	15 U	3.4 U	3.4 U	8.3	3.7 U	2.7 U
EOHSI-017	6290	5.3 U	19	17	2 U	61	2.1 U	15 U	3.4 U	9.5	75	3.7 U	2.9
EOHSI-018	6230	5.3 U	1.8 U	3.2	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	33	3.7 U	2.7 U
EOHSI-019 (019,019DL)	6322	5.3 U	13	45	2 U	170 D	2.1 U	15 U	3.4 U	3.4 U	150	3.7 U	2.7 U
EOHSI-020	6539	5.3 U	3.1	1.7 U	2 U	3	2.1 U	15 U	3.4 U	3.4 U	7.5	3.7 U	8.2
EOHSI-021	6528	5.3 U	1.7	1.7 U	2 U	6.5	2.1 U	15 U	3.4 U	3.4 U	9.4	3.7 U	2.7 U
EOHSI-023	6269	5.3 U	1.8 U	1.7 U	2 U	1.8 U	2.1 U	15 U	3.4 U	3.4 U	4.1	3.7 U	2.7 U
EOHSI-024	7000	5.3 U	3.9	3.2	2.0 U	1.8 U	2.1 U	15.0 U	3.4 U	1.9 J	9.0	3.7 U	2.7 U
EOHSI-025	6504	5.3 U	1.8 U	3.4	2.0 U	1.8 U	2.1 U	15.0 U	3.4 U	3.4 U	15.0	3.7 U	2.7 U
EOHSI-026	6528	5.3 U	6.7	3.1	2.0 U	16.0	2.1 U	15.0 U	3.4 U	9.5	16.0	3.7 U	6.0
EOHSI-027	6292	5.3 U	16.0	94.0	2.0 U	54.0	2.1 U	15.0 U	3.4 U	3.4 U	60.0	3.7 U	2.7 U
EOHSI-028	6593	5.3 U	24.0	1.7 U	3.1	72.0	2.1 U	15.0 U	3.4 U	3.4 U	68.0	3.7 U	2.7
EOHSI-029	6680	5.3 U	2.8	1.7 U	2.0 U	5.0	2.1 U	15.0 U	3.4 U	3.4 U	16.0	3.7 U	2.7 U
EOHSI-030	6676	5.3	4.6	1.7	3.4	2.5	5.1	15.0	3.4	3.4	53.0	3.7	2.7

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
		U		U				U	U	U		U	U
EOHSI-031	6266	5.3 U	2.9	4.9	2.4	8.7	3.0	15.0 U	3.4 U	3.4 U	41.0	3.7 U	2.7 U
EOHSI-032	6779	5.3 U	11.0	6.6	2.0 U	10.0	2.9	15.0 U	3.4 U	49.0	22.0	3.7 U	2.7 U
EOHSI-033	6772	5.3 U	1.8 U	1.7 U	2.0 U	1.8 U	2.1 U	15.0 U	3.4 U	16.0	25.0	3.7 U	2.7 U
EOHSI-034	6677	5.3 U	1.8 U	1.7 U	2.0 U	1.8 U	2.1 U	15.0 U	3.4 U	3.4 U	13.0	3.7 U	2.7 U
EOHSI-035	6765	5.3 U	35.0	3.3	8.2	230.0 D	2.1 U	15.0 U	3.4 U	8.8	150.0	3.7 U	2.7 U
EOHSI-036	6726	5.3 U	1.8 U	1.7 U	2.0 U	1.8 U	2.1 U	15.0 U	3.4 U	4.2	30.0	3.7 U	2.7 U
EOHSI-037	6579	5.3 U	1.8 U	6.3	2.0 U	1.8 U	2.1 U	15.0 U	3.4 U	3.4 U	12.0	3.7 U	2.7 U
EOHSI-038	6708	5.3 U	1.9	9.7	2.0 U	2.8	2.1 U	15.0 U	3.4 U	10.0	41.0	3.7 U	2.8
EOHSI-039	6764	5.3 U	1.8 U	2.5	2.0 U	1.8 U	2.1 U	15.0 U	3.4 U	3.4 U	13.0	3.7 U	2.7 U
EOHSI-040	6766	5.3 U	1.8 U	2.3	2.0 U	3.0	2.1 U	15.0 U	3.4 U	3.4 U	5.3	3.7 U	2.7 U
EOHSI-041	6830	5.3 U	1.8 U	1.7 U	2.0 U	1.9	2.1 U	15.0 U	3.4 U	3.4 U	4.9	3.7 U	2.7 U
EOHSI-042	6557	5.3 U	4.2	4.9	2.0 U	3.6	2.1 U	15.0 U	3.4 U	8.8	20.0	3.7 U	2.7 U
EOHSI-043	6834	5.3 U	20.0	3.8	2.0 U	27.0	2.1 U	15.0 U	3.4 U	3.4 U	72.0	3.7 U	2.7 U
EOHSI-044	6345	5.3 U	4.2	1.7 U	2.0 U	2.6	2.1 U	15.0 U	3.4 U	3.4 U	13.0	3.7 U	2.7 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
EOHSI-045	6320	5.3 U	4.9	8.0	2.0 U	24.0	2.1 U	15.0 U	3.4 U	3.4 U	26.0	3.7 U	2.7 U
EOHSI-046	6668	5.3 U	2.8	2.2	2.0 U	4.0	2.1 U	15.0 U	3.4 U	3.4 U	18.0	3.7 U	2.7 U
EOHSI-047	6630	5.3 U	2.7	11.0	9.8	4.3	2.1 U	15.0 U	3.4 U	3.4 U	28.0	3.7 U	2.7 U
EOHSI-048	6564	5.3 U	13.0	1.7 U	2.0 U	28.0	2.1 U	15.0 U	3.4 U	28.0	57.0	3.7 U	2.7 U
EOHSI-049	6797	5.3 U	6.0	1.7 U	2.0	40.0	2.1 U	15.0 U	3.4 U	3.4 U	94.0	3.7 U	2.7 U
EOHSI-050 mdl changed	6692	5.3 U	1.8 U	2.2	2.0 U	1.8 U	2.1 U	15.0 U	3.4 U	3.4 U	17.0	3.7 U	2.7 U
EOHSI-051	6679	2.1 U	0.7 U	3.4	2.0 U	1.8 U	0.9 U	15.0 U	1.4 U	1.4 U	7.2	3.7 U	1.1 U
EOHSI-151	6236	2.1 U	0.7 U	3.5	2.0 U	1.8 U	0.9 U	15.0 U	1.4 U	3.3	7.9	3.7 U	1.1 U
EOHSI-052	6650	2.1 U	1.8	1.7 U	2.0 U	5.4	0.9 U	15.0 U	1.4 U	1.4 U	8.3	3.7 U	1.1 U
EOHSI-152	6757	2.1 U	1.4	1.7 U	2.0 U	5.4	0.9 U	15.0 U	1.4 U	1.4 U	8.3	3.7 U	1.1 U
EOHSI-053	6608	2.1 U	6.7	17.0	2.0 U	47.0	0.9 U	15.0 U	1.4 U	1.4 U	30.0	3.7 U	7.1
EOHSI-054	6824	2.1 U	3.9	1.7 U	4.9	14.0	0.9 U	15.0 U	1.4 U	1.7	24.0	3.7 U	2.6
EOHSI-055	6315	2.1 U	1.3	1.7 U	2.0 U	1.8 U	0.9 U	15.0 U	1.4 U	1.4 U	19.0	3.7 U	1.1 U
EOHSI-056	6596	2.1 U	1.2	1.7 U	2.0 U	1.8 U	1.6	15.0 U	1.4 U	1.4 U	3.8	3.7 U	1.1 U
EOHSI-057	6553	2.1	3.2	1.7	2.0	4.3	0.9	15.0	1.4	1.4	17.0	3.7	3.0

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
		U		U	U		U	U	U	U		U	
EOHSI-058	6860	2.1 U	3.9	1.7 U	2.0 U	1.8 U	0.9 U	15.0 U	1.4 U	1.4 U	6.0	3.7 U	1.1 U
EOHSI-158	6524	2.1 U	3.9	1.7 U	2.0 U	1.8 U	0.9 U	15.0 U	1.4 U	1.4 U	6.4	3.7 U	1.1 U
EOHSI-059	7069	2.1 U	2.9	1.7 U	2.0 U	5.4	0.9 U	15.0 U	1.4 U	1.4 U	8.7	3.7 U	1.1 U
EOHSI-159	6459	2.1 U	4.2	4.9	2.0 U	4.3	0.9	15.0 U	1.4 U	1.4 U	7.5	3.7 U	1.1 U
EOHSI-060N	6468	2.1 U	1.9	1.9	2.0 U	4.3	0.9	15.0 U	1.4 U	1.5	17.0	3.7 U	1.1 U
EOHSI-060E	6358	2.1 U	7.0	9.0	2.7	19.0	0.9 U	15.0 U	1.4 U	2.0	33.0	3.7 U	1.1 U
EOHSI-061	6579	2.1 U	3.5	1.7 U	2.0 U	3.2	0.9	15.0 U	1.4 U	1.6	12.0	3.7 U	1.1 U
EOHSI-062	6858	2.1 U	3.9	1.7 U	2.0 U	2.7	0.9 U	15.0 U	1.4 U	1.4 U	6.0	3.7 U	1.1 U
EOHSI-063	6862	2.1 U	0.7 U	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4 U	2.9	3.7 U	1.1 U
EOHSI-064N	6738	2.1 U	8.1	1.7 U	2 U	12	0.85 U	15 U	1.4 U	1.4 U	13	3.7 U	1.1 U
EOHSI-064E	6702	2.1 U	4.6	1.7 U	2 U	16	0.85 U	15 U	1.4 U	1.4 U	20	3.7 U	1.1 U
EOHSI-065N	6770	2.1 U	1.4	3.1	2 U	2.8	0.85 U	15 U	1.4 U	1.4 U	9	3.7 U	1.1 U
EOHSI-065E	6909	2.1 U	1.3	1.8	2 U	3.2	0.85 U	15 U	1.4 U	1.4 U	9.8	3.7 U	1.1 U
EOHSI-066	7014	2.1 U	1.7	16	2 U	3.5	0.85 U	15 U	1.4 U	1.4 U	7.2	3.7 U	1.1 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
EOHSI-067N	6817	2.1 U	35	1.7 U	2 U	79	0.85 U	15 U	1.4 U	1.4 U	98	3.7 U	1.1 U
EOHSI-067E	6707	2.1 U	56	1.7 U	2 U	130	0.85 U	15 U	1.4 U	1.4 U	180 D	3.7 U	1.1 U
EOHSI-068	6693	2.1 U	1.3	3.3	2 U	3.4	0.85 U	15 U	1.4 U	1.4 U	7.2	3.7 U	1.4
EOHSI-069	6843	2.1 U	0.95	1.7 U	2 U	1.8 U	1.6	15 U	1.4 U	1.4 U	13	3.7 U	1.1 U
EOHSI-070N	6393	2.1 U	9.2	1.7 U	2 U	14	0.85 U	15 U	1.4 U	1.4 U	32	3.7 U	1.1 U
EOHSI-070E	7125	2.1 U	13	1.8	2 U	13	0.85 U	15 U	1.4 U	1.4 U	29	3.7 U	1.1 U
EOHSI-071N	6645	2.1 U	270 D	1.7 U	2 U	470 D	0.85 U	15 U	1.4 U	1.4 U	160 D	3.7 U	1.1 U
EOHSI-071E	6327	2.1 U	260 D	1.7 U	2 U	400 D	0.85 U	15 U	1.4 U	1.4 U	150 D	3.7 U	1.1 U
EOHSI-072N	6948	2.1 U	1.3	1.7 U	2 U	2.1	1.1	15 U	1.4 U	1.4 U	6.8	3.7 U	1.1 U
EOHSI-072E	7103	2.1 U	1.2	1.7 U	2 U	2.3	1.2	15 U	1.4 U	1.4 U	7.2	3.7 U	1.1 U
EOHSI-073	6811	2.1 U	18	4.5	2 U	69	0.85 U	15 U	1.4 U	1.4 U	68	3.7 U	5.1
EOHSI-074N	6489	2.1 U	2.3	1.7 U	2 U	8.3	0.85 U	15 U	1.4 U	540 D	12	3.7 U	1.1 U
EOHSI-074E	6793	2.1 U	3.1	1.7 U	2 U	12	0.85 U	15 U	1.4 U	1200 D	15	3.7 U	1.1 U
EOHSI-075	6301	2.1 U	2.2	1.7 U	2 U	9	1.2	15 U	1.4 U	5.2	32	3.7 U	1.5
EOHSI-076	6407	2.1	1.8	1.7	2	1.8	2.1	15	1.4	2.2	38	3.7	1.1

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
		U	U	U	U	U		U	U			U	U
EOHSI-077	6559	2.1 U	20	1.7 U	2 U	40	0.85 U	15 U	1.4 U	1.4 U	41	3.7 U	1.1 U
EOHSI-078N	7094	2.1 U	2.2	2.3	2	2.4	4.2	15 U	1.4 U	1.4 U	18	3.7 U	1.9
EOHSI-078E	6984	2.1 U	2.1	2.2	2 U	2.4	3.6	15 U	1.4 U	1.4 U	18	3.7 U	1.9
EOHSI-079	6753	2.1 U	1.8 U	1.7 U	2 U	1.8 U	1.2	15 U	1.4 U	1.4 U	15	3.7 U	1.1 U
EOHSI-080	6220	2.1 U	3.9	11	2 U	3.2	0.94	15 U	1.4 U	1.4	14	3.7 U	1.1 U
EOHSI-081N	7053	2.1 U	15	1.7 U	2 U	72	0.85 U	15 U	1.4 U	1.4 U	49	3.7 U	1.8
EOHSI-081E	6999	2.1 U	6.7	1.7 U	2 U	40	0.85 U	15 U	1.4 U	1.4 U	41	3.7 U	1.1 U
EOHSI-082	6500	2.1 U	3.9	1.7 U	2 U	2.7	1.6	15 U	1.4 U	1.4 U	26	3.7 U	1.1 U
EOHSI-083	6779	2.1 U	1.8 U	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4 U	2.6	3.7 U	5.3
EOHSI-084N	6976	2.1 U	2.5	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4 U	6.8	3.7 U	1.1
EOHSI-084E	6889	2.1 U	3.1	1.7 U	2 U	4.3	0.85 U	15 U	1.4 U	1.4 U	11	3.7 U	3.2
EOHSI-085	6644	2.1 U	1.8 U	1.7 U	2 U	1.8 U	0.85	15 U	1.4 U	1.4 U	6.8	3.7 U	1.1 U
EOHSI-086N	6705	2.1 U	2.4	1.7 U	2 U	7.6	0.85 U	15 U	1.4 U	1.4 U	6.8	3.7 U	1.1 U
EOHSI-086E	7060	2.1 U	3.9	1.7 U	2 U	13	0.85 U	15 U	1.4 U	1.4 U	9	3.7 U	1.1 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
EOHSI-087	6393	2.1 U	1.8 U	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	4.2	3.6	3.7 U	1.1 U
EOHSI-088	6995	2.1 U	1.8 U	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4 U	4.1	3.7 U	1.1 U
EOHSI-089N	2730	2.1 U	1.8 U	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4 U	4.5	3.7 U	1.1 U
EOHSI-089E	3004	2.1 U	1.8 U	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4	5.7	3.7 U	1.1 U
EOHSI-090	3361	2.1 U	1.8 U	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4 U	4.9	3.7 U	1.1 U
EOHSI-091N	2743	2.1 U	2.9	1.7 U	2 U	7.9	0.85 U	15 U	1.4 U	1.4 U	12	3.7 U	1.1 U
EOHSI-091E	2567	2.1 U	2.9	1.7 U	2 U	8.3	0.85 U	15 U	1.4 U	1.4 U	8.7	3.7 U	1.1 U
EOHSI-092	2728	2.1 U	2.3	2.8	2 U	5	0.85 U	15 U	1.4 U	2.6	8.3	3.7 U	2.9
EOHSI-093N	2584	2.1 U	42	3.5	2 U	36	2.2	15 U	1.4 U	2.4	90	3.7 U	2.2
EOHSI-093E	2596	2.1 U	56	2.7	2 U	47	2.5	15 U	1.4 U	3.1	130	3.7 U	1.8
EOHSI-094N	2966	2.1 U	4.9	5.2	2 U	12	1.8	15 U	1.4 U	1.7	17	3.7 U	1.1 U
EOHSI-094E	3452	2.1 U	5.6	5.2	2 U	14	1.7	15 U	1.4 U	1.6	19	3.7 U	1.1 U
EOHSI-095	2945	2.1 U	1.8 U	2.3	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4	4.5	3.7 U	1.1 U
EOHSI-096N	2737	2.1 U	18	1.8	3.6	9	0.85 U	15 U	1.4 U	1.4 U	35	3.7 U	5
EOHSI-096E	3030	2.1	29	2.6	4.5	13	0.85	15	1.4	1.4	53	3.7	7.6

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	Hexachlorobutadiene	n-Hexane	Methylene chloride	4-Methyl-2-pentanone (MIBK)	MTBE (Methyl tert-butyl ether)	Styrene	Tertiary butyl alcohol (TBA)	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane
		U					U	U	U	U		U	
EOHSI-097N	2694	2.1 U	2.6	1.7 U	2 U	7.9	0.85 U	15 U	1.4 U	1.4 U	3.5	3.7 U	1.6
EOHSI-097E	3343	2.1 U	4.2	1.7 U	2 U	17	0.85 U	15 U	1.4 U	1.4 U	7.2	3.7 U	3.9
EOHSI-197N	3663	2.1 U	2.5	1.7 U	2 U	7.9	0.85 U	15 U	1.4 U	1.4 U	3.5	3.7 U	1.6
EOHSI-197E	3029	2.1 U	4.2	1.7 U	2 U	17	0.85 U	15 U	1.4 U	1.4 U	7.2	3.7 U	4
EOHSI-098N	2897	2.1 U	2.3	2.8	2 U	5	0.85	15 U	1.4 U	1.4 U	6	3.7 U	1.1 U
EOHSI-098E	3157	2.1 U	2.5	2.3	2 U	6.9	0.89	15 U	1.4 U	1.4 U	6.4	3.7 U	1.1 U
EOHSI-099N	2797	2.1 U	4.2	1.7 U	2 U	1.8	0.85 U	15 U	1.4 U	1.4 U	6	3.7 U	1.1 U
EOHSI-099E	3521	2.1 U	3.9	1.7 U	2 U	1.8 U	0.85 U	15 U	1.4 U	1.4 U	5.3	3.7 U	1.1 U
EOHSI-100	3524	2.1 U	8.8	1.8	2 U	14	0.85 U	15 U	1.4 U	1.4 U	38	3.7 U	1.1 U
EOHSI-101N	3342	2.1 U	5.6	94	2 U	8.3	0.85 U	15 U	1.4 U	4.3	26	3.7 U	9.3
EOHSI-101E	3668	2.1 U	19	12	2.3	34	0.85 U	15 U	1.4 U	1.4 U	53	3.7 U	1.1 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Molecular W.	133.41	187.38	131.39	137.37	120.20	120.20	114.23	62.50	106.17	106.17
	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
EOHSI-001	6445	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-002	6315	2.7 U	3.8 U	2.7 U	4.6	2.5 U	2.5 U	2.3 U	1.3 U	4.8	2.2 U
EOHSI-003	6211	2.7 U	3.8 U	2.7 U	6.7	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-004	6478	2.7 U	3.8 U	2.7 U	2.8 U	3.8	2.5 U	2.3 U	1.3 U	2.9	2.2 U
EOHSI-005	6278A	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-006	6227	2.7 U	3.8 U	2.7 U	27	2.5 U	2.5 U	2.3 U	1.3 U	3.5	2.2 U
EOHSI-007	6202	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	5.6	2.2 U
EOHSI-008	6445	2.7 U	3.8 U	2.7 U	3.1	2.5 U	2.5 U	2.3 U	1.3 U	2.3	2.2 U
EOHSI-009 (009, 009DL)	6534	2.7 U	3.8 U	13	3	7.9	2.5 U	2.3 U	1.3 U	20	6.1
EOHSI-010	6449	2.7 U	3.8 U	2.7 U	2.8 U	3.6	2.5 U	2.3 U	1.3 U	7.8	2.8
EOHSI-011	6540	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-012	6575	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	5.6	2.2 U
EOHSI-013	6622	2.7 U	3.8 U	2.7 U	62	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-014	6322	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	3.9	2.2 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
EOHSI-015	6539	2.7 U	3.8 U	2.7 U	2.8 U	4.3	2.5 U	2.3 U	1.3 U	10	3.5
EOHSI-016	6225	2.7 U	3.8 U	2.7 U	5.6	2.5 U	2.5 U	2.3 U	1.3 U	3.1	2.2 U
EOHSI-017	6290	2.7 U	3.8 U	12	2.8 U	2.5 U	2.5 U	7	1.3 U	26	6.9
EOHSI-018	6230	2.7 U	3.8 U	2.7 U	9.6	2.5 U	2.5 U	2.3 U	1.3 U	2.7	2.2 U
EOHSI-019 (019,019DL)	6322	2.7 U	3.8 U	2.7 U	13	35	9.3	23	1.3 U	91	33
EOHSI-020	6539	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	2.6	2.2 U
EOHSI-021	6528	2.7 U	3.8 U	2.7 U	3.2	2.5 U	2.5 U	2.3 U	1.3 U	4	2.2 U
EOHSI-023	6269	2.7 U	3.8 U	2.7 U	4.4	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-024	7000	2.7 U	3.8 U	2.7 U	13.0	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-025	6504	2.7 U	3.8 U	2.7 U	5.4	2.5 U	2.5 U	2.3 U	1.3 U	3.6	2.2 U
EOHSI-026	6528	2.7 U	3.8 U	2.7 U	3.1	2.5 U	2.5 U	2.3 U	1.3 U	7.8	2.8
EOHSI-027	6292	2.7 U	3.8 U	2.7 U	2.8 U	24.0	6.4	3.7	1.3 U	42.0	15.0
EOHSI-028	6593	2.7 U	3.8 U	2.7 U	2.8 U	11.0	2.6	7.0	1.3 U	32.0	12.0
EOHSI-029	6680	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	3.6	2.2 U
EOHSI-030	6676	2.7	3.8	2.7	3.0	6.4	2.5	2.3	1.3	6.1	2.6

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
		U	U	U			U	U	U		
EOHSI-031	6266	2.7 U	3.8 U	2.7 U	30.0	3.0	2.5	2.3 U	1.3 U	6.9	2.5
EOHSI-032	6779	2.7 U	3.8 U	2.7 U	7.9	3.0	2.5 U	2.3 U	1.3 U	6.5	2.3
EOHSI-033	6772	2.7 U	3.8 U	3.5	2.8 U	3.1	2.6	2.3 U	1.3 U	4.3	2.2 U
EOHSI-034	6677	2.7 U	3.8 U	2.7 U	3.5	2.5 U	2.5 U	2.3 U	1.3 U	3.5	2.2 U
EOHSI-035	6765	2.7 U	3.8 U	2.7 U	2.8 U	29.0	11.0	65.0	1.3 U	91.0	38.0
EOHSI-036	6726	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	14.0	3.3
EOHSI-037	6579	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	4.1	2.2 U
EOHSI-038	6708	2.7 U	3.8 U	2.7 U	3.2	3.2	2.5 U	2.3 U	1.3 U	4.8	2.2 U
EOHSI-039	6764	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	2.7	2.2 U
EOHSI-040	6766	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-041	6830	2.7 U	3.8 U	2.7 U	4.6	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-042	6557	2.7 U	3.8 U	2.7 U	4.2	2.5 U	2.5 U	2.3 U	1.3 U	8.3	2.2 U
EOHSI-043	6834	2.7 U	3.8 U	2.7 U	5.5	7.9	2.5 U	6.5	1.3 U	30.0	11.0
EOHSI-044	6345	2.7 U	3.8 U	2.7 U	3.4	10.0	2.5 U	2.3 U	1.3 U	2.7	2.2 U

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
EOHSI-045	6320	2.7 U	3.8 U	2.7 U	2.9	4.2	2.5 U	2.9	1.3 U	14.0	4.8
EOHSI-046	6668	2.7 U	3.8 U	2.7 U	2.8 U	3.1	2.5 U	2.3 U	1.3 U	3.3	2.2 U
EOHSI-047	6630	2.7 U	3.8 U	2.7 U	4.8	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-048	6564	2.7 U	3.8 U	2.7 U	2.8 U	5.4	2.5 U	3.2	1.3 U	14.0	4.8
EOHSI-049	6797	2.7 U	3.8 U	2.7 U	5.2	11.0	3.0	11.0	1.3 U	38.0	13.0
EOHSI-050 mdl changed	6692	2.7 U	3.8 U	2.7 U	2.8 U	2.5 U	2.5 U	2.3 U	1.3 U	2.2 U	2.2 U
EOHSI-051	6679	1.1 U	1.5 U	1.1 U	1.9	1.0 U	1.0 U	0.9 U	0.5 U	1.0	0.9 U
EOHSI-151	6236	1.1 U	6.1	1.1 U	1.9	1.0 U	1.0 U	0.9 U	0.5 U	1.2	0.9 U
EOHSI-052	6650	1.1 U	1.5 U	1.1 U	2.5	1.7	1.0 U	0.9 U	0.5 U	4.3	1.5
EOHSI-152	6757	1.1 U	1.5 U	1.1 U	2.4	1.8	1.0 U	0.9 U	0.5 U	4.0	1.6
EOHSI-053	6608	1.1 U	1.6	1.1 U	6.2	5.4	1.9	12.0	0.5 U	23.0	6.9
EOHSI-054	6824	1.1 U	1.5 U	1.1 U	3.4	3.7	1.0 U	140.0	0.5 U	10.0	3.3
EOHSI-055	6315	1.1 U	1.5 U	1.1 U	3.2	1.0 U	1.0 U	0.9 U	0.5 U	2.3	0.9
EOHSI-056	6596	1.1 U	1.5 U	1.1 U	2.2	1.2	1.0 U	0.9 U	0.5 U	1.9	0.9 U
EOHSI-057	6553	1.1	1.5	1.1	2.2	2.9	1.0	0.9	0.5	4.8	1.7

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
		U	U	U			U	U	U		
EOHSI-058	6860	1.1 U	1.5 U	1.1 U	1.7	2.3	1.0 U	0.9 U	0.5 U	3.2	1.3
EOHSI-158	6524	1.1 U	1.5 U	1.1 U	1.2	2.8	1.0 U	0.9 U	0.5 U	3.2	1.3
EOHSI-059	7069	1.1 U	1.5 U	1.1 U	2.0	1.1	1.0 U	0.9 U	0.5 U	2.9	1.0
EOHSI-159	6459	1.1 U	1.5 U	1.1 U	1.9	1.0	1.0 U	0.9 U	0.5 U	2.6	0.9
EOHSI-060N	6468	1.1 U	1.5 U	1.1 U	1.7	2.0	1.0 U	0.9 U	0.5 U	3.7	1.4
EOHSI-060E	6358	1.1 U	1.5 U	1.1 U	1.6	4.3	1.1	2.3	0.5 U	13.0	4.8
EOHSI-061	6579	1.1 U	1.5 U	7.0	1.9	4.5	2.2	0.9 U	0.5 U	4.2	1.7
EOHSI-062	6858	1.1 U	1.5 U	1.1 U	3.0	1.0 U	1.0 U	0.9 U	0.5 U	2.4	0.9 U
EOHSI-063	6862	1.1 U	1.5 U	1.1 U	1.3	0.98 U	0.98 U	0.93 U	0.51 U	1	0.87 U
EOHSI-064N	6738	1.1 U	1.5 U	1.1 U	1.5	0.98 U	0.98 U	0.93 U	0.51 U	0.87 U	0.87 U
EOHSI-064E	6702	1.1 U	1.5 U	1.1 U	1.4	2.6	0.98 U	3.6	0.51 U	10	3
EOHSI-065N	6770	1.1 U	1.5 U	1.1 U	2.3	7.9	3.9	0.93 U	0.51 U	3	2
EOHSI-065E	6909	1.1 U	1.5 U	1.1 U	2.6	4.7	2	0.93 U	0.51 U	3.1	1.5
EOHSI-066	7014	1.1 U	1.5 U	1.1 U	4.6	1.6	1.6	1.3	0.51 U	2.8	1.1

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
EOHSI-067N	6817	1.1 U	1.5 U	1.1 U	1.1 U	9.8	2.9	5.1	0.51 U	41	12
EOHSI-067E	6707	1.1 U	1.5 U	1.1 U	1.1 U	20	5.9	8.9	0.51 U	78	23
EOHSI-068	6693	1.1 U	1.5 U	1.1 U	16	0.98 U	0.98 U	0.93 U	0.51 U	2.4	0.87 U
EOHSI-069	6843	1.1 U	1.5 U	1.1 U	2.3	4.2	1.9	0.93 U	0.51 U	1.9	0.87 U
EOHSI-070N	6393	1.1 U	1.5 U	1.1 U	2.1	12	4.9	0.93 U	0.51 U	38	13
EOHSI-070E	7125	1.1 U	1.5 U	1.1 U	2.6	11	4.6	0.93 U	0.51 U	33	11
EOHSI-071N	6645	1.1 U	1.5 U	1.1 U	1.3	17	4.9	22	0.51 U	48	14
EOHSI-071E	6327	1.1 U	1.5 U	1.1 U	1.5	16	4.9	21	0.51 U	43	13
EOHSI-072N	6948	1.1 U	1.5 U	1.1 U	1.8	1.3	0.98 U	0.93 U	0.51 U	4.3	1.6
EOHSI-072E	7103	1.1 U	1.5 U	1.1 U	1.7	1.5	0.98 U	0.93 U	0.51 U	4.8	1.7
EOHSI-073	6811	1.1 U	1.5 U	3.6	26	8.4	2.1	7	0.51 U	33	12
EOHSI-074N	6489	1.1 U	1.5 U	1.1 U	1.3	1.3	0.98 U	1	0.51 U	4.8	1.7
EOHSI-074E	6793	1.1 U	1.5 U	1.1 U	1.3	1.6	0.98 U	1.4	0.51 U	6.5	2.1
EOHSI-075	6301	1.1 U	1.5 U	1.1 U	1.4	2	0.98 U	0.93 U	0.51 U	6.9	2.5
EOHSI-076	6407	1.1	1.5	1.1	1.6	2.4	0.98	0.93	0.51	4.8	2

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
		U	U	U			U	U	U		
EOHSI-077	6559	1.1 U	1.5 U	1.1 U	1.5	13	3.5	7.9	0.51 U	29	10
EOHSI-078N	7094	1.1 U	1.5 U	1.1 U	4.7	2.7	0.98 U	0.98	0.51 U	5.6	2.2
EOHSI-078E	6984	1.1 U	1.5 U	1.1 U	3.6	2.4	0.98 U	0.98	0.51 U	5.6	2.1
EOHSI-079	6753	1.1 U	1.5 U	1.1 U	1.9	0.98 U	0.98 U	0.93 U	0.51 U	2.2 U	0.87 U
EOHSI-080	6220	1.1 U	1.5 U	1.1 U	5.1	1.3	0.98 U	0.98	0.51 U	4.3	1.7
EOHSI-081N	7053	1.1 U	1.5 U	1.1 U	1.7	5.4	1.2	7.5	0.51 U	18	5.6
EOHSI-081E	6999	1.1 U	1.5 U	1.1 U	1.6	3.4	0.98 U	3	0.51 U	13	4.8
EOHSI-082	6500	1.1 U	1.5 U	1.1 U	1.7	1.3	0.98 U	0.93 U	0.51 U	4.8	1.4
EOHSI-083	6779	1.1 U	2.1	1.1 U	5.2	1.5	0.98 U	0.93 U	0.51 U	2.2 U	0.87 U
EOHSI-084N	6976	1.1 U	1.5 U	1.1 U	3.5	0.98 U	0.98 U	0.93 U	0.51 U	2.8	1
EOHSI-084E	6889	1.1 U	1.5 U	1.1 U	3.6	1.2	0.98 U	0.93	0.51 U	4.8	1.7
EOHSI-085	6644	1.1 U	1.5 U	1.1 U	2.6	2.2	0.98 U	0.93 U	0.51 U	2.5	0.91
EOHSI-086N	6705	1.1 U	1.5 U	1.1 U	2.9	0.98 U	0.98 U	1.2	0.51 U	2.6	0.96
EOHSI-086E	7060	1.1 U	1.5 U	1.1 U	2.8	0.98	0.98 U	2.1	0.51 U	3.8	1.3

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
EOHSI-087	6393	1.1 U	1.5 U	1.1 U	2.1	0.98 U	0.98 U	0.93 U	0.51 U	2.2 U	0.87 U
EOHSI-088	6995	1.1 U	1.5 U	1.1 U	1.5	0.98 U	0.98 U	0.93 U	0.51 U	2.9	0.87 U
EOHSI-089N	2730	1.1 U	1.5 U	1.8	2.1	0.98 U	0.98 U	0.93 U	0.51 U	2.2 U	0.87 U
EOHSI-089E	3004	1.1 U	1.5 U	1.1 U	2.4	0.98 U	0.98 U	0.93 U	0.51 U	3.3	1.1
EOHSI-090	3361	1.1 U	1.5 U	1.1 U	2.1	1.2	0.98 U	0.93 U	0.51 U	3.3	1.1
EOHSI-091N	2743	1.1 U	1.5 U	1.1 U	1.9	2.4	0.98 U	0.93 U	0.51 U	6.1	1.8
EOHSI-091E	2567	1.1 U	1.5 U	1.1 U	1.9	2.2	0.98 U	0.93 U	0.51 U	5.2	1.8
EOHSI-092	2728	1.1 U	1.5 U	1.1 U	2.4	1.4	0.98 U	0.93	0.51 U	3	1.1
EOHSI-093N	2584	1.1 U	1.5 U	1.1 U	3.5	14	4.4	9.3	0.51 U	52	17
EOHSI-093E	2596	1.1 U	1.5 U	1.1 U	2.9	17	5.9	10	0.51 U	69	22
EOHSI-094N	2966	1.1 U	1.5 U	1.1 U	4.4	4.2	1.2	1.6	0.51 U	7.4	2.6
EOHSI-094E	3452	1.1 U	1.5 U	1.1 U	4.7	3.8	1.3	1.7	0.51 U	7.8	2.8
EOHSI-095	2945	1.1 U	1.5 U	1.1 U	3.5	1.1	0.98 U	0.93 U	0.51 U	3.3	1.4
EOHSI-096N	2737	1.1 U	1.5 U	1.1	5.3	4.6	1.3	2.8	0.51 U	17	5.6
EOHSI-096E	3030	1.1	1.5	1.7	5.2	6.4	2	4.5	0.51	26	8.3

U compound below detection D sample diluted before analysis

NJDEP Indoor Air VOC Concentrations of Individual Samples (µg/m^3)

Sample ID	Canister #	1,1,2-Trichloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	Trichloroethene (TCE)	Trichlorofluoromethane (Freon 11)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl chloride	Xylenes (m&p)	Xylenes (o)
		U	U						U		
EOHSI-097N	2694	1.1 U	1.5 U	1.1 U	1.9	0.98 U	0.98 U	0.93 U	0.51 U	2.2 U	0.87 U
EOHSI-097E	3343	1.1 U	1.5 U	1.1 U	2.5	0.98 U	0.98 U	0.98	0.51 U	2.2 U	0.87 U
EOHSI-197N	3663	1.1 U	1.5 U	1.1 U	1.9	0.98 U	0.98 U	0.93 U	0.51 U	2.2 U	0.87 U
EOHSI-197E	3029	1.1 U	1.5 U	1.1 U	2.6	0.98 U	0.98 U	1	0.51 U	2.2 U	0.87 U
EOHSI-098N	2897	1.1 U	1.5 U	1.1 U	2.4	1.2	0.98 U	0.93 U	0.51 U	2.9	1
EOHSI-098E	3157	1.1 U	1.5 U	1.1 U	2.6	1.3	0.98 U	0.93 U	0.51 U	3.5	1.2
EOHSI-099N	2797	1.1 U	1.5 U	1.1 U	1.9	3.4	0.98 U	0.93 U	0.51 U	3	1.1
EOHSI-099E	3521	1.1 U	1.5 U	1.1 U	1.9	0.98 U	0.98 U	0.93 U	0.51 U	2.3	0.87 U
EOHSI-100	3524	1.1 U	1.5 U	1.1 U	2	6.4	1.7	1.7	0.51 U	19	6.5
EOHSI-101N	3342	1.1 U	1.5 U	1.1 U	2.8	1.8	0.98 U	2.4	0.51 U	4	1.4
EOHSI-101E	3668	1.1 U	1.5 U	1.1 U	1.7	4.1	1	9.8	0.51 U	13	4.3

U compound below detection D sample diluted before analysis