

**Volatile Organic Compound
Air Monitoring and Sampling
Final Report**

**West 19th Street Development Site
New York, New York**

Brownfield Cleanup Program Number:

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Executive Summary

Georgetown 19th Street Development, LLC ("Georgetown") is developing the site known as the West 19th Street Development Site (the "Site"). The Site comprises part of the former West 18th Street Manufactured Gas Plant ("MGP") that was operated by predecessors of Consolidated Edison ("Con Edison"). Subsequently, the Site was used as a truck parking and auto garage. Remediation of the Site is being conducted by contractors to Georgetown, pursuant to a Brownfield Cleanup Agreement with the New York State Department of Environmental Conservation ("NYSDEC").

In connection with the Site remediation, NYSDEC and the New York State Department of Health ("NYSDOH") requested that air monitoring and a sampling study be performed to assess the potential impact of remediation and construction activities at the Site on indoor air quality of the two-story structure located east, adjacent to the Site, at 524 West 19th Street (the "Gasser Building"). The scope of work for this study is provided in the Volatile Organic Compound Air Sampling Work Plan (EMTEQUE Corporation, dated January 3, 2005 and submitted to NYSDEC on January 13, 2005) and in the Addendum to the Volatile Organic Compound Air Sampling Work Plan (EMTEQUE Corporation, dated and submitted to NYSDEC on January 24, 2005) (collectively, the "Work Plan").

As requested by the NYSDEC and NYSDOH, the study was comprised of two parts. The first part of the study, the air monitoring program, consisted of conducting a building inspection (to supplement the inspection performed by Con Edison), monitoring indoor air within the Gasser Building for volatile organic compounds ("VOCs"), taking action in the event that VOC concentrations were detected above action levels specified in the Work Plan (the exact nature of the actions at each individual action level were set forth within the Work Plan), and investigating the source of VOC concentrations detected above the action levels.

The second part of the study, the air sampling program, consisted of Phases II and III of a three-phase investigation of soil gas, indoor air and ambient air at the Gasser Building:

- Phase I was performed when the Gasser Building was unoccupied and no activities were occurring on the Site. Phase I was performed by Con Edison and not included in the scope of the Work Plan;
- Phase II was performed when the Gasser Building was occupied by commercial tenants (a florist and a gallery) and no activities were occurring on the Site. Phase II was performed by EMTEQUE Corporation ("EMTEQUE") and its results are presented in this report; and

- Phase III was performed when the Gasser Building was occupied by commercial tenants and activities were occurring on the Site. Phase III was performed by EMTEQUE and its results are presented in this report.

EMTEQUE commenced the work described within the Work Plan on January 25, 2005. This report details the performance, results, and conclusions of this work, including monitoring data obtained through May 31, 2005. The report also presents Phase I air sampling data collected by Con Edison (which used a methodology that is not part of the Work Plan).

Based upon the work presented herein, EMTEQUE has made the following observations and conclusions:

- Phases I, II and III of the air sampling program indicated the presence of VOCs in soil gas beneath the Gasser Building floor slab. Prior to sealing cracks in the floor slab of the Gasser Building, elevated photoionization detector ("PID") readings above background were detected when the tip of a PID was placed in the floor slab cracks; elevated VOC readings were not observed when the tip of the PID probe was raised several inches above those unsealed floor slab cracks. These elevated VOC concentrations were detected regardless of the Site activities. As such, EMTEQUE concludes that the presence of these observed VOC concentrations is most likely due to contamination located under the Gasser Building. However, the absence of a complete characterization of the contamination located beneath the Gasser Building precludes a more conclusive analysis of this hypothesis.

This conclusion that the residual contamination is the cause of the VOCs within the floor slab cracks indicates that the remaining contamination is the likely source of volatile organic compounds ("VOCs") detected sporadically in the indoor air within the Gasser Building.

- The use of VOC-containing chemicals by occupants of the Gasser Building was observed to impact indoor air quality in the Gasser Building. As part of Phase I of the Site Investigation, Con Edison identified several such VOC-containing chemicals during a survey of the Gasser Building. The air monitoring study indicated that on May 16, 2005, the use of a contact adhesive by the florist in the Gasser Building caused exceedances of Action Levels specified in the Work Plan.
- Most Site activities had no material impact on indoor air quality within the Gasser Building, regardless of whether cracks in the Gasser Building floor slab were sealed. Prior to sealing the cracks, exceedances of Action Levels specified in the Work Plan occurred sporadically and for limited periods of time.

- After the floor slab was sealed, no exceedances of the Action Levels which were determined to be caused by Site work were recorded. As such, EMTEQUE concludes that the sealing of cracks in the Gasser Building floor slab effectively prevents VOC intrusion from below the floor slab into the Gasser Building.
- No pressure differential was observed between the subsurface and the Gasser Building. No air transfer was observed from the floor slab cracks into the Gasser Building.
- Ambient and indoor air sample data collected during this study was compared to those reported in the NYSDOH *Study of Volatile Organic Compounds (VOCs) in Air of Fuel Heated Heated Homes* (the "NYSDOH Study"). The compounds detected at concentrations within the upper quartile or above the 90th percentile of those reported in the NYSDOH Study in indoor air samples collected during Phase I, II, and III air sampling are similar to the upper quartile and 90th percentile identified compounds in the ambient air samples collected during Phase II and III and are not similar to the compounds detected in the soil gas samples collected as part of the Phase I, II, and III sampling. The fact that some VOC compounds were detected in indoor air and ambient air as part of Phase I, II and III sampling at levels above the "normal" values identified in the NYSDOH Study should be expected in the heavily urbanized environment of New York City (where this study was conducted).

Based upon these conclusions, EMTEQUE made the following determination and recommendation.

- The sealing of the floor cracks in the Gasser Building effectively prevents VOC infiltration from the subsurface into the Gasser Building. As such, EMTEQUE recommends that the VOC monitoring system be removed.

Section 1

Introduction/Background

Georgetown 19th Street Development, LLC ("Georgetown") is developing the site known as the West 19th Street Development Site (the "Site"). This Site occupies Block 690, Lots 12 and 54 in the borough of Manhattan, New York. The Site comprises part of the former West 18th Street Manufactured Gas Plant ("MGP"), which was located on the subject block and blocks to the north, east, and south of the Site. Consolidated Edison ("Con Edison") is the successor to the former owner/operator of the MGP site. Subsequently, the Site was used as a truck parking and auto garage. Remediation of the Site is being conducted pursuant to a Brownfield Cleanup Agreement between Georgetown and the New York State Department of Environmental Conservation ("NYSDEC"). Georgetown's consultant, Turner Construction Company ("Turner")¹, is remediating the Site in accordance with the NYSDEC approved Remedial Action Work Plan (Blasland, Bouck & Lee, Inc., December 2003).

In connection with concerns raised by the owner of the two-story structure located east, adjacent to the Site, at 524 West 19th Street (the "Gasser Building"), the NYSDEC and New York State Department of Health ("NYSDOH") requested that air monitoring and an air sampling study be performed in order to determine whether activities at the Site were affecting the indoor air quality of the Gasser Building. Turner contracted with EMTEQUE Corporation ("EMTEQUE") to perform this requested work. As discussed below, only sporadic and brief periods of elevated VOC levels were observed prior to sealing cracks in the building floor slab. After sealing the slab, no effects were observed that were attributed to Site activities.

EMTEQUE developed the Volatile Organic Compound Air Sampling Work Plan for inspecting, monitoring and sampling the air quality within the Gasser Building. The final version of this document, reflecting review and comments of representatives of the Gasser Building, was issued on January 13, 2005. An Addendum to the Volatile Organic Compound Air Sampling Work Plan was issued on January 24, 2005 (hereinafter the Work Plan and Addendum shall collectively be referred to as the "Work Plan"). The Work Plan was reviewed and approved by the NYSDEC and NYSDOH in a letter dated January 25, 2005. A copy of the approved Work Plan is included as Appendix A to this report.

The Work Plan details a two-part study. The first part of the study, the air monitoring program, consisted of conducting a building inspection (to supplement the inspection performed by Con Edison), monitoring indoor air within the Gasser Building for volatile organic compounds ("VOCs"), taking action in the event that

¹ Turner has contracted Urban Foundation/Engineering LLC ("Urban") to perform most of the Site remediation work, including excavation and sheeting installation, to construct the foundation for the new building, including all pile drilling, and to conduct dewatering as necessary to facilitate this work.

VOC concentrations were detected above action levels specified in the Work Plan (the exact nature of the actions at each individual action level were set forth within the Work Plan), and investigating the source of VOC concentrations detected above the action levels. The objective of the air monitoring program was to identify VOCs above set action levels within the Gasser Building, identify the source of the VOCs, and mitigate the VOC concentrations.

The second part of the study, the air sampling program, consisted of Phases II and III of a three-phase investigation of soil gas, indoor air and ambient air at the Gasser Building:

- Phase I was performed when the Gasser Building was unoccupied and no construction activities were occurring on the Site. Phase I was performed by Con Edison and was not included in the scope of the Work Plan;
- Phase II was performed when the Gasser Building was occupied by commercial tenants and no construction activities were occurring on the Site. Phase II was performed by EMTEQUE and its results are presented in this report; and
- Phase III was performed when the Gasser Building was occupied by commercial tenants and construction activities were occurring on the Site. Phase III was performed by EMTEQUE and its results are presented in this report.

The objective of the air sampling program was to determine whether the presence of subsurface contamination, activities in the Gasser Building, and/or construction activities on the adjacent Site were affecting indoor air quality in the Gasser Building. The scope of work, work methods and procedures, and purposes and objectives of the work are specified within the Work Plan and are not specifically restated herein.

This report details the performance, results, and conclusions of the indoor air monitoring and air sampling conducted in accordance with the Work Plan, including monitoring data obtained through May 31, 2005.

Following the format of the Work Plan, Section 2 of this report discusses the results of the Gasser Building inspection (Sections 2.1 and 2.2), followed by a discussion of the air monitoring (Section 2.3), and the air sampling (Section 2.4) activities and data. Conclusions and recommendations are included as Section 3 of this report.

Section 2

Work Plan Performance

EMTEQUE performed inspection, air monitoring, and air sampling in accordance with the protocol set forth in the Work Plan. The results of each of these tasks are discussed in the sections below.

EMTEQUE commenced installation of the air monitoring system and on-site laboratory on January 25, 2005. After informing the NYSDEC and NYSDOH that the air monitoring system was installed in accordance with the Work Plan and the system was operational, NYSDEC granted Turner approval to recommence drilling on January 27, 2005. Urban recommenced drilling, utilizing air, on January 28, 2005. This drilling technique continued until the installation of seven piles through the obstruction was completed on February 1, 2005. These piles were located approximately 30 feet west of the Gasser Building.

Urban commenced water-based secant drilling on February 2, 2005. Water-based secant drilling was performed along the perimeter of the northeastern portion of the Site, in close proximity to the Gasser Building to "pre-drill" voids through a subsurface obstruction in preparation for installation of watertight sheeting required by the Remedial Action Work Plan around the Site perimeter. This drilling continued until March 24, 2005.

After it was determined that the secant drilling was not successfully facilitating the watertight sheeting installation through a portion of the northeast portion of the Site, a substitute method of completing the perimeter watertight barrier was utilized, which consisted of a grout wall installed using a smaller diameter water drilling method. This alternate grout wall water drilling was commenced on April 20, 2005. This drilling and the grout wall were completed on May 14, 2005.

Air samples obtained for laboratory or on-site gas chromatography ("GC") analysis as part of either the air monitoring or air sampling program are discussed below. Detected concentrations are compared to the values set forth in the NYSDOH *Study of Volatile Organic Compounds (VOCs) in Air of Fuel Heated Homes* ("NYSDOH Study"). Though the NYSDOH Study only contains samples from fuel oil heated residential properties located outside New York City (and mostly in the Albany area), it remains the largest known collection of both ambient and indoor air volatile organic compounds ("VOC") data in New York State. Therefore, the NYSDOH Study may be said to characterize the commonly identified VOC concentrations in New York State for both ambient and indoor air. Considering that the NYSDOH Study characterizes expected VOC concentrations, for purposes of discussion within this report, compounds will only be noted where these values exceed either the upper quartile value ("upper quartile") or 90th percentile value ("90th percentile") presented in the NYSDOH Study (i.e., where the compounds are detected toward the high side of the "expected" or "normal" values). Throughout this report, references to upper

quartile and 90th percentile refer only to the values presented in the NYSDOH Study.

It should be noted that the values expressed within the NYSDOH Study were only obtained outside of New York City and therefore may not represent New York City's heavily urbanized environment. Increased incidences of VOCs that would be expected in an urban environment versus a suburban or rural environment are due to exhaust from traffic, air discharges from industrial and manufacturing operations, etc. As such, this report will consider values beneath the upper quartile to be expected (under the premise that New York City air would not be expected to be "cleaner" than the areas of New York State that were sampled as part of the NYSDOH Study) and only discuss those values detected at concentrations greater than the upper quartile value.

It must also be noted that the values expressed within the NYSDOH Study do not purport to be health-based standards. It is EMTEQUE's understanding that the NYSDOH Study merely documents "normal" (or "background") levels that can be utilized for purposes of comparison with other similar environments. Comparing the NYSDOH Study reported values with health-based criteria such as the Agency for Toxic Substances and Disease Registry Minimal Risk Levels ("MRLs") reveals that the NYSDOH values are well below (typically at least two orders of magnitude below) the MRLs. Comparing data collected as part of this study to NYSDOH "normal" levels is intended to identify whether the Site is impacting the indoor air quality of the Gasser Building under the paradigm that a building that has "normal" indoor air levels is not being adversely affected by a source of VOCs.

2.1 Inspection

A survey of cracks in the floors and walls of the Gasser Building was undertaken by Turner on January 21, 2005. This survey was performed to identify cracks that were then sealed in accordance with the Work Plan. Drawings summarizing the findings of that survey are included in Appendix B. Cracks were observed in the first floor concrete floor slab and in the western concrete masonry unit ("CMU") wall on both the first and second floors. Sealing of the cracks within the Gasser Building, as required by the Work Plan, commenced on February 2, 2005 and was completed on February 4, 2005.

EMTEQUE performed inspections of the Gasser Building on February 1, 2005 and March 23, 2005. During the February 1 inspection of the Gasser Building interior, pre-drilling of pile caps was being performed on the Site. During the March 23, 2005 inspection of the building exterior, specifically the roof and air handling systems, water drilling was being performed on the east/west secant line and interior piles were being driven on the Site. Con Edison had previously conducted a survey and inventory of the Gasser Building, including identifying

various VOC containing chemicals stored (and presumably for use) within the building. EMTEQUE observed Con Edison's inspection.

The Gasser building is a two-story brick and CMU structure on a concrete slab. The first floor is occupied by Bardin and Palomo, a wedding/party/commercial-type florist. The second floor is occupied by a residential space and art gallery. By agreement with the Gasser Building owner, the residential space was vacated during the period of the testing performed under the Work Plan. This residential space has not been reoccupied at the time of the issuance of this report.

The first floor is heated by overhead, natural gas fired heaters. The second floor is heated and cooled by two roof mounted heating, ventilation, and air conditioning ("HVAC") systems. A smaller HVAC unit located on the northwest corner of the roof services the apartment space (located on the northern side of the second floor). A larger HVAC unit located on the southwest corner of the roof services the second floor gallery space. An inspection of both of these units revealed that neither unit is directly provided with outside air (i.e., both units operate on 100% recirculated air). The smaller HVAC unit uses a 1" box filter that did not properly fit the return air opening. The larger HVAC unit was provided with a mixture of both 1" and 2" box filters. Though the 1" filters do not fit securely laterally in the provided 2" filter holders, they were observed to remain in place when the unit was operational. Both units appeared to be operating normally at the time of the inspection.

Smoke testing was performed and utilized to determine airflow patterns within the Gasser Building. In the absence of operation of the air handling systems or external air influences (such as open windows or doors), no air transfers were identified, with the exception of a minor transfer in the entrance stairwell in the second floor space, at wall cracks on the first floor, and at the wall crack in the second floor office by the apartment. First floor airflow patterns appeared to be entirely dependent upon the operation of the overhead heaters or the opening of the front door(s). In the absence of either of these operations, no air transfers were observed. Similar results were observed in the second floor spaces. Very minor air transfer was observed from the entrance stairwell into the second floor space. Smoke tests did not reveal any air transfer at the floor cracks. Some minor air transfer was observed at wall cracks on the first floor. Distinct airflow into the Gasser Building was observed at the wall crack in the second floor office by the apartment.

Use of an airflow meter confirmed the observed smoke tests results and did not reveal the presence of detectable pressure differentials between the interior spaces.

Additionally, a handheld photoionization detector ("handheld PID") was utilized to determine VOC concentrations in air and thereby indicate possible leakage or seepage of VOCs into the Gasser Building through floor and/or wall cracks. No

handheld PID readings were observed in the wall cracks. Handheld PID readings up to 15 parts per million ("ppm") were detected in the floor cracks towards the front of the florist shop (northern portion of the florist shop). Handheld PID readings in excess of 2,000 ppm were detected in a larger floor crack by the flower preparation area (near PID #1). A handheld PID reading of 225 ppm was detected in a similar floor crack near the southern wall of the florist shop. Handheld PID readings in excess of 10,000 ppm were detected in a large floor crack by the florist offices. While these handheld PID readings were detected within the cracks (the probe of the handheld PID was physically within the crack), handheld PID readings within several inches of the floor cracks revealed VOC levels similar to ambient air (background), confirming the smoke test finding of a lack of a consistent air transfer from the subsurface through the floor cracks.

2.2 Pressure Monitoring

EMTEQUE installed data recording differential pressure monitors ("pressure monitors") to observe existing and/or generated pressure differentials between the subsurface and the Gasser Building interior. Differential pressure monitors with dataloggers were installed on soil gas points #2 and 3 ("SG-2" and "SG-3" respectively) located within the florist shop. A figure showing the location of the soil gas points is included within Appendix C to this report. These pressure monitors were installed on January 31, 2005. Due to its location in the occupied area, the pressure monitor located at SG-2 ("PM-2") was unable to be maintained after February 2, 2005. After an extended time period during which no pressure differentials were identified, EMTEQUE removed the pressure monitor on SG-3 ("PM-3") on February 19, 2005.

Under normal operation, the pressure monitors recorded both the highest and lowest pressure observed during a five-minute period. No pressure differentials were obtained from PM-2. Minor fluctuations, both positive and negative, were observed in the pressure readings obtained from PM-3. The fluctuations were small compared to the recording scale (on the order of thousandths of an inch of water column). The largest readings, both positive and negative, were typically observed within or around the same five-minute recording time period. The fluctuations appeared and continued without any consistent pattern. The widest range of fluctuation was observed on February 10 and again on February 14 and consisted of fluctuations from +0.017" water column ("wc") to -0.011" wc. Since these fluctuations were observed at night, after work was completed on the Site, they can not be related to Site drilling operations.

No correlation between the pressure readings and the observed PID spikes (discussed below in Section 2.3) was observed.

Based upon these results it appears unlikely that pressure builds up in the subsurface and "vents" at a certain pressure level.

2.3 Air Monitoring

Air monitoring was conducted in accordance with Section 3 of the Work Plan. An AreaRAE PID ("PID") was set up at each of the three locations: First Floor – by the water cooler on the west wall ("PID #1"); Second Floor – apartment in living room of residence ("PID #2"); Second Floor – hallway outside offices on the west side of the gallery ("PID #3"). A drawing showing the locations of the PIDs is included in Appendix C. Each PID remotely transmitted to a monitoring station established in Room 200 of 531 West 19th Street.

The monitoring station datalogged instantaneous readings on a set time interval. This time interval was varied during the course of the work at the discretion of the Certified Industrial Hygienist ("CIH") to achieve sufficient data collection, expeditious alarm response, and to allow for the successful operation of the remote monitoring station. Initially this interval was varied until a period of 30 seconds was settled upon. After a few weeks of monitoring, during which VOC levels were not detected, this time interval was tapered back to 60 seconds followed by 120 seconds. The PID Action Levels were developed within the Work Plan and are summarized as Table 1 of this report.

TABLE 1			
ACTION LEVEL SUMMARY			
Action Level		Time Period²	Action
#	ppm		
1	3.6	Five Minutes	Additional investigation and portable GC/MS sampling
2	7.5	Two consecutive readings	Sampling for laboratory analysis and ventilation of space
3	14.6	Two consecutive readings	Ceasing of source activity or all work activities
4	21.6	Two consecutive readings	Evacuation of subject building

When these Action Level concentrations were developed, it was anticipated that the PID equipment would be able to provide a five minute averaged VOC reading.³ Due to limitations in the currently available remote sampling equipment and software, only instantaneous readings on an established time interval were

² See the paragraph immediately following the table for a discussion concerning the time period.

³ This type of time period logging (minimum, maximum, and average) is common with stand-alone datalogging PIDs. However, the proRAE Remote software package does not offer this capacity and rather is intended to report back current readings which are not averaged or otherwise changed from an instantaneous value.

monitored.⁴ Recording time intervals were determined and set as discussed above. Since the Action Levels were established utilizing five-minute averages, comparison to these Action Levels was a manual process utilizing the ten PID readings (based on a 30 second reporting interval) recorded during the given five-minute period. For example, for a 30 second reporting period, if an average of ten consecutively reported VOC concentrations (1.7, 3.2, 3.9, 5.1, 6.7, 8.2, 8.1, 6.1, 3.1, 1.1) were calculated, the five-minute average would be 4.7 ppm.

For purposes of discussion throughout this report, the terms "Action Level" and "action level" have two different meanings. The term "Action Level" is used to describe an exceedance as described within Table 1. For example, a five-minute average exceeding 3.6 ppm would be an exceedance of Action Level 1. The term "action level" will be utilized to describe any exceedance (i.e., a single instantaneous PID reading) of the VOC levels within Table 1. It is important to note that no Action Level exceedance could occur without at least one action level exceedance in that five-minute period. This is distinguished from the fact that action level exceedances could occur without an Action Level exceedance.

The monitoring station was enabled to trigger alarms at both action levels 1 and 2. In addition to audibly announcing the alarm within the Turner office, the station paged Mr. Neil Feldscher from EMTEQUE and Messrs. Terry Carbaugh and William DePasquale from Turner.

A significant benefit of utilizing reporting intervals shorter than those calculated based on five-minute averages is that alarm notifications occurred at the first exceedance of an action level and were not delayed until a five minute average indicating an exceedance of an Action Level occurred. EMTEQUE and/or Turner personnel responded to the action level alarms as if they indicated an Action Level exceedance. Investigative and remedial measures were implemented upon entry into the space without waiting to establish whether an Action Level exceedance occurred. An additional benefit is that manual computation of five minute averages allows for the use of the "worst" (i.e., the readings that would create the highest average) consecutive readings when determining five minute average concentrations.

Copies of the recorded monitoring data are included as Appendix N to this report. Only monitoring data through May 31, 2005 is included in this Appendix and discussed in this report.

Only single grab samples were obtained for analysis in this monitoring program, which precludes any discussion of sample distribution or variance.

⁴ All PID readings throughout this report should be understood to represent an instantaneous reading unless specifically stated to be a calculated average reading.

2.3.1 PID #1 – First Floor Florist Shop

PID #1 was located in the florist shop by the water cooler on the western wall (see Figure 1 in Appendix C). Action level alarms were noted from PID #1 during the period of January 27 through February 3, 2005. These alarms are individually discussed below.

2.3.1.1 January 27, 2005

On January 27, at approximately 4:50 PM, the PID action level alarm was triggered due to the performance of a calibration check (i.e., bump test) of the unit while the monitoring station remained in datalogging mode. No drilling was occurring on Site at this time nor had any drilling in the area of the Gasser Building been performed since December 2004.

2.3.1.2 January 28, 2005

On January 28, at approximately 3:50 PM, two PID readings exceeding action level 1 were detected. These readings were 4.3 and 4.1 ppm. The reported PID concentration was below 2 ppm by the next reading (30 seconds) and by the time personnel arrived to investigate. The PID reading was below 1 ppm within 2.5 minutes of the initial reading. The worst-case five-minute average was manually calculated to be 1.6 ppm; this concentration is below Action Level 1. Florist staff had turned on the ventilation fans prior to EMTEQUE and Turner personnel's arrival. At the time of this occurrence, air drilling was occurring approximately 30 feet from the building (at Pile Cap 2, southwest pile) and was nearing the bottom of a hole, approximately 30 feet below grade. The odors on the first floor were described as "petroleum-like" by florist personnel within the space. Due to the brief nature of this PID spike, no air samples or additional investigation occurred.

2.3.1.3 January 31, 2005

On January 31, at approximately 10:35 AM, PID #1 reported a spike in VOC levels, increasing from 0.0 ppm to over 13 ppm in the span of two minutes. EMTEQUE and Turner responded by venting out the first floor space. The venting was accomplished by directing stationary fans, installed in accordance with the Work Plan, towards windows and doors located on the north side of the Gasser Building. The VOC levels returned to below action level 1 in approximately 15 minutes and were below 1 ppm within another 11 minutes. Manual computation of five-minute averages revealed averages of 11.8 ppm and 10.2 ppm for the first two five-minute periods, which exceeds Action Level 2, followed by five-minute averages of 6.8 and 3.4 ppm, which are below Action Level 2. Smoke tests, performed within five-minutes of EMTEQUE's entry into

the space, did not indicate any airflow or other means of VOC transfer other than those airflows identified during the inspection portion of this report.

An air sample was obtained for on-site GC analysis. In addition, a grab air sample was obtained for laboratory analysis. The on-site GC yielded no results due to a sample run failure requiring resetting, flushing, conditioning, and finally recalibration of the GC. A summary of the laboratory analysis results is included as Table 2 to this report. The laboratory air sample revealed acetone to be present within the upper quartile. Hexane, cyclohexane, benzene, heptane, toluene, ethyl benzene, xylene (o, m, p-), 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and 2,3-dimethylpentane were revealed to be above the 90th percentile. The BTEX compounds (the BTEX compounds are comprised of benzene, toluene, ethyl benzene and xylene) were the predominant compounds, with benzene being the most predominant (at a 3 to 2 ratio when compared with the remainder of the BTEX compounds considered as a group). At the time of the observed PID peak the drill was approximately 30 feet deep and 22 feet away from the building. A copy of the laboratory analysis is included as Appendix D to this report.

On January 31, at approximately 3:14 PM, three minutes of PID readings between 3.7 and 4.9 ppm, exceeding action level 1, were observed. These levels appeared to be the peak of a slow rise (over approximately 45 minutes) in VOC levels. Manually calculating the worst-case five-minute average to be 3.1 ppm did not reveal an Action Level exceedance. Pressure monitors on the soil gas points #2 and 3, while showing very minor fluctuations, did not indicate a distinct increase in pressure during the increasing VOC levels, or any other pattern that might be related to the increase in VOC levels. Smoke tests similarly did not show any air transfer patterns. Pre-drilling of interior piles, as discussed above during the PID alarm in the morning, was continuing on the Site.

2.3.1.4 February 1, 2005

On February 1, at approximately 10:02 AM, 2.5 minutes of PID readings between 3.9 and 5.9 ppm, exceeding action level 1, were observed. These levels were the peak of a slow rise in VOC levels. Manually calculating the worst-case five-minute average to be 3.8 ppm indicates an exceedance of Action Level 1. Smoke tests did not reveal any air transfer patterns. A grab air sample was obtained for laboratory analysis. The brevity of the observed levels precluded the collection of a sample for on-site analysis. A summary of the laboratory analysis results is included as Table 2 to this report. Similar to the air sample results from January 31, 2005, these laboratory sample results revealed acetone in the upper quartile. Hexane, benzene, heptane, toluene, ethyl benzene, xylene (o, m, p-), 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and 2,3-dimethylpentane were revealed to be above the 90th percentile. A copy of the

laboratory analysis is included as Appendix E to this report. Pre-drilling of piles was completing at the time of this sample.

On February 1, at approximately 3:27 PM, a single PID reading exceeding 12 ppm, above action level 2, was observed. This level returned to below action level 1 within 60 seconds. Manually calculating the worst-case five-minute average to be 2.3 ppm did not reveal an Action Level exceedance. No drilling was occurring on the Site at the time of this observation.

2.3.1.5 February 2, 2005

On February 2, at approximately 11:48 AM, a short term VOC peak (lasting less than two minutes) to over 8 ppm was observed. This level was below action level 2 within 90 seconds and below action level 1 within another 90 seconds. Manually calculating the worst-case five-minute average to be 5.2 ppm indicates an exceedance of Action Level 1. At the time of the VOC peak, floor cracks were being sealed pursuant to the Work Plan in the florist space of the Gasser Building. The caulking contractor was utilizing a xylene-based product to clean the cracks in order to provide a surface sufficiently clean to allow sealant adherence. A handheld PID was utilized to determine the source of the observed VOC concentrations and indicated the source to be the caulking contractor's cleaning compound. Based upon the brevity of the PID spikes along with the inspection identification of the caulking contractor's use of a xylene solvent, no air samples were obtained for on-site GC analysis. Water-based secant drilling was occurring on the Site at the time of these observed values.

On February 2, at approximately 12:46 PM, a single PID reading exceeding 45 ppm was observed. This level returned to below action level 1 within 60 seconds. A single PID reading exceeding 6 ppm was observed two minutes later followed by PID readings below action level 1. Manually calculating the worst-case five-minute average to be 6.8 ppm indicates an exceedance of Action Level 1. The PID unit alarmed again at approximately 1:01 PM for a period of approximately eight minutes. The calculated worst-case five-minute average for this alarm revealed an average of 4.4 ppm, also an exceedance of Action Level 1. Based upon a visual investigation and use of the handheld PID, the observed VOC concentrations were due to the caulking contractor's use of a xylene-based product for cleaning. Based upon the brevity of the PID spikes along with the inspection identification of the caulking contractor's use of a xylene-based solvent, no air samples were obtained for on-site GC analysis. Water-based secant drilling by Urban was continuing on the Site at the time of this observation.

2.3.1.6 February 3, 2005

On February 3, at approximately 11:08 AM, PID readings ranging from 3.9 to 6.9 ppm, exceeding action level 1, were detected over three minutes. The readings then increased to 9.6 ppm, exceeding action level 2, for another two minutes. These levels appeared to be the peak of a slow rise in VOC levels. The calculated worst-case five-minute average for this alarm revealed an average of 6.0 ppm, an exceedance of Action Level 1. Another alarm was triggered approximately nine minutes after the PID reading had returned to below action level 1. This second alarm consisted of one reading at 16.5 ppm, above action level 3, and readings of 4.0 and 7.4 ppm, both above action level 1. The calculated worst-case five-minute average for this alarm revealed an average of 5.1 ppm, also an exceedance of Action Level 1. These levels slowly decreased over a period of approximately three hours. Based upon a visual investigation and use of the handheld PID, the observed VOC concentrations were due to the caulking contractor's use of a xylene-based product for cleaning. Based upon the brevity of the PID spikes along with the inspection identification of the caulking contractor's use of a xylene-based solvent, no air samples were obtained for on-site GC analysis. Water-based secant drilling was continuing on site at the time of these readings.

2.3.1.7 February 8, 2005

Sealing of the observed floor and wall cracks was completed on February 4, 2005. After allowing approximately four days for the caulk to cure, a single grab air sample was obtained from the area of PID #1 on February 8, 2005. This sample was intended to assess the indoor air conditions within the first floor space after completion of the crack sealing. No PID readings exceeding an action level had been observed since February 3, 2005. A summary of the laboratory analysis results is included as Table 2 to this report. The results of this sample revealed the presence of 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, ethyl benzene, and o,m,p-xylenes above the 90th percentile level. Benzene, cyclohexane, hexane, tetrachloroethene, and toluene were revealed to be in the upper quartile. With the exception of cyclohexane this is the same compound list that EMTEQUE found in the upper quartile and above the 90th percentile in the ambient air samples obtained as part of the Phase II and III sampling, described below in Section 2.4. A copy of the laboratory analysis for the February 8th sample is included as Appendix F to this report.

2.3.1.8 Additional Monitoring Parameters

Based on various reports from the florist's employees of unknown transient odors, including odors described as combustion and rotten eggs, EMTEQUE enabled the carbon monoxide ("CO"), hydrogen sulfide ("H₂S"), and lower

explosive limit ("LEL") sensors of this PID on March 22, 2005. Though outside the scope of the Work Plan, it was anticipated that these sensors could aid in the determination of the source of these transient odor complaints.

On March 23, 2005, the H₂S short term exposure limit ("STEL") alarm triggered. The STEL alarm is weighted across a short period of time (typically 15 or 30 minutes – this is typically referred to as a time-weighted average) and therefore even the detection of low levels across a sufficiently long period of time will allow the STEL to be exceeded. Additionally, the H₂S concentrations initially observed may be due to the distributor's initial calibration of the sensor.

On March 30, 2005, EMTEQUE disabled the LEL sensor since this sensor was not specific to the type of complaint received, calibrated the active sensors, and reset the STEL alarm.

On April 1, 2005, a single VOC reading of 7.5, at action level 2, was detected along with an indication of H₂S sensor drift. The calculated worst-case five-minute average for this alarm revealed an average of 2.4 ppm, below action level 1. No drilling activities occurred on the Site on April 1.

On April 9, 2005, the H₂S STEL alarm again triggered, once again due to the presence of low levels of H₂S over a sufficiently long period of time. EMTEQUE reset the H₂S STEL alarm on April 11, 2005 and recalibrated all active sensors.

On April 18, 2005, the H₂S STEL alarm again triggered, once again due to the presence of low levels of H₂S over a sufficiently long period of time. EMTEQUE disabled the CO and H₂S sensors on April 19, 2005 as neither sensor had been effective in identifying a component of the reported transient odors (reported changes or peaks during an odor complaint).

2.3.1.9 May 16, 2005

On May 16, 2005, at approximately 2:30 PM, continuous PID readings exceeding action level 1 with individual VOC concentrations exceeding action level 4 were observed. Upon entry into the florist space, EMTEQUE observed that the florist personnel were utilizing a contact adhesive for the preparation of floral centerpieces. Reading the label of the adhesive container revealed that the product contained volatile organic compounds and use of the PID indicated that the glue was the source of the PID readings. Manual computation of worst-case five-minute averages revealed PID averages of 12.6 and 17.3 ppm for two consecutive five-minute periods. Therefore, this incident was deemed by EMTEQUE to be an exceedance of Action Level 2. Because EMTEQUE's investigation revealed the cause of the exceedance to be the florist's glue, no additional sampling was performed. Because of the lack of ventilation within the florist space (no forced air system is present), the VOC concentration slowly

returned to background levels over the course of approximately 24 hours. EMTEQUE did not perform forced venting of the florist space since such venting would have interfered with the tenant's work activities and this VOC issue was determined to be a typical base building operations issue.

2.3.2 PID #2 – Second Floor Residence

PID #2 was located in the living room of the second floor residence (see Figure 2 in Appendix C). No exceedances of any action level were detected by PID #2.

2.3.3 PID #3 – Second Floor Hallway

PID #3 was located in the second floor hallway outside the western offices (see Figure 2 in Appendix C). This PID reported individual alarms above action level 1 the night of February 8. A review of the recorded data showed large fluctuations that continued into the morning of February 9. A grab air sample was obtained during one of the alarm periods and is discussed below. Use of a handheld PID revealed a steady reading below 0.5 ppm while PID #3 was showing fluctuations, indicating a possible PID malfunction. No source of VOCs was observed during an inspection. Additionally, the PID failed a calibration check test, therefore it was determined that PID #3 was malfunctioning. A calibration of PID #3 was not successful. The PID lamp was cleaned on February 10 at approximately 1 PM and the instrument subsequently responded appropriately to calibration standards.

On February 9, 2005, during one of the observed PID readings, EMTEQUE obtained an air sample for laboratory analysis. Results of this sample do not appear to be in accordance with the observed PID peaks and confirm the conclusion that the PID was malfunctioning. Laboratory analysis revealed ethyl benzene, o,m,p-xylenes, and 1,2,4-trimethylbenzene to be above the 90th percentile. Chloroform, benzene, toluene, tetrachloroethene, 1,3,5-trimethylbenzene, acetone, hexane, cyclohexane, and 2,3-dimethylpentane were identified to be in the upper quartile. With the exception of chloroform, cyclohexane, and 2,3-dimethylpentane this is the same compound list that EMTEQUE found in the upper quartile and above the 90th percentile in the ambient air samples obtained during the Phase II and III sampling, described below. A copy of the laboratory analysis for the February 9th sample is included as Appendix G to this report.

2.4 Air Sampling

The EMTEQUE Work Plan ("Work Plan") was modeled after the Work Plan for Evaluation of Sub-Surface Vapor Intrusion ("Con Edison Work Plan"), which was

prepared for Con Edison and describes their soil gas sampling program required by their Voluntary Cleanup Agreement with NYSDEC. The stated purpose of Con Edison's sampling program was to establish "baseline" soil gas and indoor air conditions in the absence of tenants and in the absence of construction activities on the Site. EMTEQUE's Work Plan was intended to determine the effects of tenant occupancy and construction activities on indoor air quality and was intended to supplement and not duplicate the work performed by Con Edison. In addition to the soil gas and indoor air evaluations, all three phases of air sampling included ambient air sampling for purposes of evaluating ambient air impacts on the indoor air.

Con Edison's sampling ("Phase I" sampling) was implemented on Saturday, December 18 and Sunday, December 19, 2004. The building was vacated on December 18th and remained vacant until after completion of the sampling on December 19th. Con Edison's samples were analyzed by Air Toxics Ltd. ("Air Toxics") utilizing a modified TO-15 methodology. To date, EMTEQUE has not received a complete or final copy of the Con Edison sampling report. A draft copy of the results summary tables that were provided to EMTEQUE from Con Edison is included as Appendix H to this report.

As described in Section 4 of the Work Plan, EMTEQUE conducted both Phase II and III air sampling. The Phase II air sampling was conducted on Saturday February 12, 2005 when no construction work was occurring on the Site (nor had it occurred since Friday afternoon) and the Gasser Building was occupied by commercial tenants. EMTEQUE's Phase II sampling was intended to document the indoor air and soil gas conditions, including any influence by building operations and occupant activities.

Phase III sampling was conducted on Thursday February 24, 2005 when both the Site and Gasser Building were occupied. EMTEQUE's Phase III sampling was intended to document indoor air and soil gas conditions, including any influence by the building operations, occupant activities, and Site construction activities.

A detailed discussion of all three Phases of air sampling is included in the sections below. Relatively small numbers of samples were obtained as part of this investigation. Individual samples and the small sample sets are compared to a larger data set (provided in the NYSDOH Study). Due to the small sample size during the three phases of sampling, no discussion of variance or certainty is included. One example of variance in samples can be observed in the differences reported in the analytical results between duplicate samples.

For purposes of consistency with the NYSDOH Study concentrations, all analytical results within this section of the report are discussed in micrograms per cubic meter (" $\mu\text{g}/\text{m}^3$ "). As discussed within the Work Plan, EMTEQUE utilized

the same laboratory and analysis method as Con Edison utilized for the Phase I sampling.

2.4.1 Phase I Sampling Results

The Phase I sampling was conducted by TRC Companies, Inc. ("TRC") personnel on Saturday and Sunday, December 18 and 19, 2004. This sampling was observed by Mr. Neil Feldscher of EMTEQUE. The building was unoccupied and no activities were occurring on the Site during Phase I sampling activities. After the building was vacated on Saturday afternoon, soil gas monitoring points were installed. After completion of this work, TRC utilized fans to ventilate the entire building. After ventilation, the entire building was closed, including the sealing of the building's air handling systems. Floor slab cracks on the first floor were sealed with polyethylene sheeting and duct tape prior to and during the air sampling. The building remained vacant and sealed until after the sampling was completed on Sunday evening. The air samples were collected over the period of approximately one hour. Sampling locations are summarized in Table 3 and figures presenting these locations are included as Appendix I.

TABLE 3 SUMMARY OF PHASE I SAMPLING LOCATIONS			
Sample Type	Sample #	Floor	Location
Ambient	AA1	3	Roof
	AA2	1	19 th Street – Front of Gasser Building
	AA3	1	West Side Highway – by hydrant
	AA4	1	18 th Street – Front of Roxy
Indoor	IA1	1	Gallery Storage by SG1
	IA2	1	Florist Office by SG2
	IA3	1	Florist front area by SG3
	IA4	1	Gallery Storage – under ramp
	IA5	1	Florist Storage – under steps
	IA6	1	Florist – southwest by refrigerator
	IA7	2	Apartment – Living Room
	IA8	2	Gallery - center
	IA9	1	Duplicate of IA2
Soil Gas	SG1	1	Gallery Storage back
	SG2	1	Florist by offices
	SG3	1	Florist front area near entrance

The Phase I ambient air sample results revealed levels within the expected values as determined by the NYSDOH Study. Methylene chloride and ethyl alcohol were each identified in one sample in the upper quartile.

The soil gas monitoring analysis results for SG-1 revealed levels similar to those observed within the Phase I indoor air samples. The analysis of the SG-2 air sample revealed 270,000 ug/m³ cyclohexane. The analysis of the sample from

SG-3 revealed isopentane, 2-methylpentane, and cyclohexane at 5,900, 3,200, and 490 ug/m³, respectively.

Hexane, m,p-xylene, and acetone were each observed above the 90th percentile value in one first floor indoor air sample. Tetrachlorethene was observed above the 90th percentile in five of the seven first floor indoor air samples. Only tetrachloroethene was observed above the 90th percentile in the second floor air samples. 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, cyclohexane, ethyl benzene, toluene, o,m,p-xylene, acetone, chloromethane, chloroform, and styrene were each observed within the upper quartile in some first floor indoor air samples.

2.4.2 Phase II Sampling Results

The Phase II sampling was conducted in accordance with the Work Plan by EMTEQUE on Saturday February 12, 2005. Sampling locations are summarized in Table 4 and figures presenting these locations are included as Appendix J.

Sample Type	Sample #	Floor	Location
Ambient	AA1	3	Roof
	AA2	1	19 th Street – Front of Gasser Building
	AA3	1	West Side Highway – by hydrant
	AA4	1	18 th Street – Front of Roxy
Indoor	IA1	1	Gallery Storage by SG1
	IA2	1	Florist Office by SG2
	IA3	1	Florist front area by SG3
	IA4	1	Gallery Storage – under ramp
	IA5	1	Florist Storage – under steps
	IA6	1	Florist – southwest by refrigerator
	IA7	2	Apartment – Living Room
	IA8	2	Gallery - center
	IA9	1	Duplicate of IA2
	IA10	2	Hallway outside Gallery Offices (PID #3)
	IA11	2	Top of Gallery Staircase
Soil Gas	SG1	1	Gallery Storage back
	SG2	1	Florist by offices
	SG3	1	Florist front area near entrance

The Phase II sampling was conducted over a four-hour period, starting at approximately 12:30 PM. The gallery was open for business during this sampling and the florist shop was finishing preparation and packaging of floral displays during a portion of the sampling. These displays were loaded onto a truck and the first floor was vacated prior to the completion of the sampling. No activities

occurred on the Site during the day of the sampling. At the completion of the sampling, samples were packaged with completed chain of custodies and submitted by overnight carrier to Air Toxics for modified TO-15 analysis. A copy of completed chain of custody forms along with the analytical results is included as Appendix K. A summary of the analytical results is included as Table 5 to this report.

Prior to the sampling, PID readings were obtained for the three soil gas monitoring points (SG-1, SG-2, and SG-3). These readings were 0.2, 1760, and 2.0 ppm, respectively.

Sample AA1 (ambient air sample located on the roof) was voided due to a flow controller failure.

Benzene, toluene, ethyl benzene, and xylene (the group previously defined as "BTEX"), styrene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, hexane, and heptane were detected at concentrations exceeding the 90th percentile of the NYSDOH Study in the ambient air sample collected from the West Side Highway, which was generally downgradient with respect to wind direction (based upon weather station readings). Both m,p-xylene and 1,2,4-trimethylbenzene were detected at concentrations exceeding the 90th percentile in the ambient air samples from both West 18th and West 19th Streets, which were the crossgradient samples, with respect to wind direction. Toluene and ethyl benzene were detected in the upper quartile in the West 18th and West 19th Street ambient air samples. Benzene was detected in the upper quartile in the West 19th Street ambient air sample and o-xylene was detected in the upper quartile in the West 18th Street ambient air sample. Essentially, the BTEX compounds were identified in or above the upper quartile of the NYSDOH Study ambient air values in the three ambient air samples.

In reviewing the soil gas air samples, samples from SG-1 and SG-3 appear similar in that concentrations of refrigerants, chloroform, toluene, tetrachloroethene, xylene, styrene, and acetone were detected in both samples. Benzene, toluene, acetone, 2-propanol, cyclohexane, 2-hexanone, ethanol, heptane, 2-methylpentane, 2,3-dimethylpentane, and 2,2,4-trimethylpentane were detected at elevated (relative to the need for sample dilution for analysis) concentrations in SG-2.

Indoor air samples revealed relatively consistent results throughout the samples obtained. Ethyl benzene and xylene were detected at concentrations in the upper quartile and above the 90th percentile in a majority of the indoor air samples. Carbon tetrachloride, benzene, tetrachloroethene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, acetone, methyl ethyl ketone, hexane, and cyclohexane were detected at concentrations in the upper quartile and above the 90th percentile in a limited number of samples. The compounds detected in the upper quartile and 90th percentile in indoor air samples were

generally similar to those compounds detected in the upper quartile and 90th percentile in ambient air samples during Phase II sampling. These compounds were also dissimilar to those compounds detected in the Phase II soil gas samples. As such, the observed indoor VOC concentrations are likely to be indicative of the ambient air conditions.

The ambient air samples from Phase I and II are dissimilar, most likely due to different ambient conditions that were present during each sampling event (this includes weather conditions, vehicular traffic, etc.). The VOC compounds detected in Phase I soil gas samples were dissimilar to those detected in Phase II soil gas samples. A difference in VOC concentrations was also observed in the samples from SG-3 with the Phase I sample revealing elevated concentrations while the Phase II sample revealed levels similar to SG-1. A comparison of the indoor air samples collected during Phases I and II revealed generally similar compounds detected at or above the upper quartile.

2.4.3 Phase III Sampling Results

The Phase III sampling was conducted by EMTEQUE on Thursday February 24, 2005 in accordance with the Work Plan. Sampling locations and numbers, as shown in Table 4, were identical to those utilized during the Phase II sampling.

The Phase III sampling was conducted over a four-hour period, starting at approximately 12:00 PM. The gallery and florist were both open for business during this sampling. At the Site, water-based secant drilling was proceeding throughout the day of the sampling. At the completion of the sampling, all samples were packaged with completed chain of custodies and submitted by overnight carrier to Air Toxics for modified TO-15 analysis. A copy of completed chain of custodies along with the analytical results is included as Appendix L. A summary of the analytical results is included as Table 6 to this report.

At the outset of the sampling, PID readings were obtained for the three soil gas monitoring points (SG-1, SG-2, and SG-3). These readings were 0.4, > 10,000, and 2,060 ppm, respectively.

Three or more of the BTEX compounds were identified in all of the ambient air samples. Xylenes were identified in concentrations above the 90th percentile level in all four ambient air samples and toluene was detected in concentrations above the 90th percentile level in three of the ambient air samples and within the upper quartile in the fourth sample. Benzene and 1,2,4-trimethylbenzene were observed at concentrations in the upper quartile in all ambient air samples except for the West 19th Street sample (downgradient sample based upon the observed prevailing wind from the Site weather station). Ethyl benzene was observed at concentrations above the 90th percentile level in the roof and West Side Highway samples (the West Side Highway sample was crossgradient based upon the

observed prevailing wind from the Site weather station) and within the upper quartile in the West 18th Street sample (upgradient based upon the observed prevailing wind from the Site weather station). Methyl ethyl ketone was observed at concentrations in the upper quartile in the roof and West 18th Street samples and acetone was observed at a concentration in the upper quartile in only the West 18th Street sample. Trichloroethene and tetrachloroethene were both observed at concentrations above the 90th percentile level in the West 19th Street sample.

In reviewing the soil gas air samples, refrigerants, chloroform, tetrachloroethene, acetone, and ethanol were detected in samples from SG-1 and SG-3. In addition, benzene, toluene, styrene, methyl ethyl ketone, and isopentane were also detected in the SG-3 sample. The results for SG-3 were unusually low when considering that the PID indicated a total VOC concentration greater than 2,000 ppm immediately prior to the sampling. Toluene, 2-propanol, and cyclohexane were detected at elevated (relative to the necessity for sample dilution for analysis) concentrations in SG-2. These compounds are a limited subset of the compounds that were detected in SG-2 during the Phase II sampling.

Indoor air samples revealed relatively consistent results throughout the samples obtained. Tetrachloroethene, xylene, and acetone were detected in the upper quartile and above the 90th percentile in a majority of the indoor air samples. Chloroform, benzene, ethyl benzene, styrene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, hexane, and cyclohexane were detected in the upper quartile and above the 90th percentile in a limited number of samples. The compounds detected in the upper quartile and 90th percentile in indoor air samples were generally similar to those detected in the upper quartile and 90th percentile in ambient air samples during Phase III sampling. These compounds were, however, dissimilar to those compounds detected in the Phase III soil gas samples. As such, the observed indoor VOC concentrations are likely to be indicative of the ambient air conditions.

As described above, the soil gas, ambient, and indoor air samples, with some compound variations, appeared similar between Phase II and III. The ambient air samples from Phase I and III are dissimilar, most likely due to different ambient conditions that were present during each sampling event (this includes weather conditions, vehicular traffic, etc.). The VOC compounds detected in Phase I soil gas samples were dissimilar to those detected in Phase III soil gas samples. A difference in VOC concentrations was also observed in the samples from SG-3 with the Phase I sample revealing elevated concentrations while the Phase III sample revealed levels similar to SG-1. A comparison of the indoor air samples between Phase I and III revealed generally similar compounds detected at or above the upper quartile.

Section 3

Conclusions and Recommendations

Based upon the inspection, air monitoring, and sampling work described above, EMTEQUE has reached the following conclusions:

- Phases I, II and III of the air sampling program indicated the presence of VOCs in soil gas beneath the Gasser Building floor slab. Prior to sealing cracks in the Gasser Building floor slab, elevated PID readings above background levels were detected within those floor slab cracks; elevated VOC readings were not observed when the tip of the PID probe was raised several inches above those unsealed floor slab cracks. Since elevated VOC concentrations were detected within the floor slab cracks regardless of the Site activities, EMTEQUE concludes that the presence of these elevated VOC concentrations is most likely due to the contamination residing under the Gasser Building. However, the absence of a complete characterization of the contamination located beneath the Gasser Building precludes a more conclusive analysis of this hypothesis.

This conclusion that the residual contamination is the cause of the VOCs within the floor slab cracks indicates that the remaining contamination is the likely source of volatile organic compounds ("VOCs") detected sporadically in the indoor air within the Gasser Building.

- No pressure differential was observed between the subsurface and the Gasser Building. No air transfer was observed from the floor slab cracks into the Gasser Building.
- The use of VOC-containing chemicals by occupants of the Gasser Building was observed to impact indoor air quality in the Gasser Building. As part of Phase I of the Site Investigation, Con Edison identified several such VOC-containing chemicals during a survey of the Gasser Building. The Air Monitoring study indicated that on May 16, 2005, the use of a contact adhesive by the florist in the Gasser Building caused exceedances of Action Levels specified in the Work Plan.
- The compounds detected as being within the upper quartile or above the 90th percentile in indoor air samples collected during Phase I, II, and III air sampling are similar to the compounds detected in the ambient air samples collected during Phases II and III, but are not similar to the compounds detected in the soil gas samples collected as part of the corresponding three sample sets. As would be expected in a heavily urbanized environment, some VOC compounds were detected in both indoor air and ambient air as part of Phases I, II, and III sampling at levels above the "normal" values identified in the NYSDOH Study.

Based upon analysis of the observations and data collected during implementation of the Work Plan, EMTEQUE concludes that sealing the floor slab cracks in the Gasser Building has effectively prevented VOC infiltration from the subsurface into the Gasser Building. As such, EMTEQUE recommends that the VOC monitoring system be removed at this time.

Table 2
Summary of Grab Samples

COMPOUND NAME	CASNUM	January 31, 2005	February 1, 2005	NYSDOH Inside Air	
		By PID #1 (uG/m3)	By PID #1 (uG/m3)	Upper Quartile	90th Percentile
Freon 12	75-71-8	ND	ND	5.6	15
Freon 114	76-14-2	ND	ND	0.21	0.63
Chloromethane	74-87-3	ND	ND	2	3.3
Vinyl Chloride	75-01-4	ND	ND	0.2	0.23
1,3-Butadiene	106-99-0	ND	ND		
Bromomethane	74-83-9	ND	ND	0.24	0.58
Chloroethane	75-00-3	ND	ND	0.2	0.25
Freon 11	75-69-4	ND	ND	5.5	17
Ethanol	64-17-5	110	81	610	1600
Freon 113	76-13-1	ND	ND	1.1	1.8
1,1-Dichloroethene	75-35-4	ND	ND	0.19	0.23
Acetone	67-64-1	75	63	46	110
2-Propanol	67-63-0	ND	ND		
Carbon Disulfide	75-15-0	ND	ND		
Methylene Chloride	75-09-2	ND	4.5	6.3	22
Methyl tert-butyl ether	1634-04-4	ND	ND	6.7	27
trans-1,2-Dichloroethene	156-60-5	ND	ND		
Hexane	110-54-3	140	40	6.5	19
1,1-Dichloroethane	75-34-3	ND	ND	0.19	0.23
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ND	ND	7.5	14
cis-1,2-Dichloroethene	156-59-2	ND	ND		
Tetrahydrofuran	109-99-9	ND	ND	0.32	3.3
Chloroform	67-66-3	ND	ND	0.54	1.4
1,1,1-Trichloroethane	71-55-6	ND	ND	1.4	3.5
Cyclohexane	110-82-7	230	ND	2.9	9.1
Carbon Tetrachloride	56-23-5	ND	ND	0.68	0.87
Benzene	71-43-2	3100	400	5.7	15
1,2-Dichloroethane	107-06-2	ND	ND	0.19	0.22
Heptane	142-82-5	190	34	7.7	19
Trichloroethene	79-01-6	ND	ND	0.23	0.48
1,2-Dichloropropane	78-87-5	ND	ND	0.2	0.24
1,4-Dioxane	123-91-1	ND	ND		
Bromodichloromethane	75-27-4	ND	ND		
cis-1,3-Dichloropropene	10061-01-5	ND	ND		
4-Methyl-2-pentanone	108-10-1	ND	ND		
Toluene	108-88-3	900	180	25	59
trans-1,3-Dichloropropene	10061-02-6	ND	ND	0.18	0.22
1,1,2-Trichloroethane	79-00-5	ND	ND	0.2	0.24
Tetrachloroethene	127-18-4	ND	ND	1.2	2.9
2-Hexanone	591-78-6	ND	ND		
Dibromochloromethane	124-48-1	ND	ND		
1,2-Dibromoethane (EDB)	106-93-4	ND	ND		
Chlorobenzene	108-90-7	ND	ND	0.19	0.23
Ethyl Benzene	100-41-4	720	120	2.8	7.3
m,p-Xylene	108-38-3/106-42-3	760	170	4.7	12
o-Xylene	95-47-6	190	52	3.1	7.9
Styrene	100-42-5	ND	ND	0.68	1.3
Bromoform	75-25-2	ND	ND		
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.2	0.23
4-Ethyltoluene	622-96-8	93	30		
1,3,5-Trimethylbenzene	108-67-8	38	11	1.7	3.8
1,2,4-Trimethylbenzene	95-63-6	50	18	4.4	11
1,3-Dichlorobenzene	541-73-1	ND	ND	0.24	0.66
1,4-Dichlorobenzene	106-46-7	ND	ND	0.54	1.3
alpha-Chlorotoluene	100-44-7	ND	ND		
1,2-Dichlorobenzene	95-50-1	ND	ND	0.24	0.78
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.24	3
Hexachlorobutadiene	87-68-3	ND	ND		
2,2,4-Trimethylpentane	540-84-1	ND	ND		
Isopentane	78-78-4	76	91		

Table 2
Summary of Grab Samples

2-Methylpentane	107-83-5	150		180			
Naphthalene	91-20-3	ND		ND			
Propylene	115-07-1	ND		ND			
Thiophene	110-02-1	ND		ND			
Indene	95-13-6	ND		ND			
Indan	496-11-7	ND		ND			
2,3-Dimethylpentane	565-59-3	360		140			

Table 2 (continued)
Summary of Grab Samples

COMPOUND NAME	CASNUM	February 8, 2005	February 9, 2005	NYSDOH Inside Air	
		By PID #1 (uG/m3)	By PID #3 (uG/m3)	Upper Quartile	90th Percentile
Freon 12	75-71-8	2.8	3	5.6	15
Freon 114	76-14-2	ND	ND	0.21	0.63
Chloromethane	74-87-3	1.7	1.2	2	3.3
Vinyl Chloride	75-01-4	ND	ND	0.2	0.23
Bromomethane	74-83-9	ND	ND	0.24	0.58
Chloroethane	75-00-3	ND	ND	0.2	0.25
Freon 11	75-69-4	1.7	2.4	5.5	17
1,1-Dichloroethene	75-35-4	ND	ND	0.19	0.23
Freon 113	76-13-1	ND	ND	1.1	1.8
Methylene Chloride	75-09-2	3.8	3.6	6.3	22
1,1-Dichloroethane	75-34-3	ND	ND	0.19	0.23
cis-1,2-Dichloroethene	156-59-2	ND	ND		
Chloroform	67-66-3	1.3	0.97	0.54	1.4
1,1,1-Trichloroethane	71-55-6	ND	ND	1.4	3.5
Carbon Tetrachloride	56-23-5	ND	ND	0.68	0.87
Benzene	71-43-2	10	8.3	5.7	15
1,2-Dichloroethane	107-06-2	ND	ND	0.19	0.22
Trichloroethene	79-01-6	ND	ND	0.23	0.48
1,2-Dichloropropane	78-87-5	ND	ND	0.2	0.24
cis-1,3-Dichloropropene	10061-01-5	ND	ND		
Toluene	108-88-3	34	26	25	59
trans-1,3-Dichloropropene	10061-02-6	ND	ND		
1,1,2-Trichloroethane	79-00-5	ND	ND	0.2	0.24
Tetrachloroethene	127-18-4	2.4	2.3	1.2	2.9
1,2-Dibromoethane (EDB)	106-93-4	ND	ND		
Chlorobenzene	108-90-7	ND	ND	0.19	0.23
Ethyl Benzene	100-41-4	26	18	2.8	7.3
m,p-Xylene	108-38-3/106-42-3	82	59	4.7	12
o-Xylene	95-47-6	37	27	3.1	7.9
Styrene	100-42-5	ND	ND	0.68	1.3
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.2	0.23
1,3,5-Trimethylbenzene	108-67-8	4.8	3.7	1.7	3.8
1,2,4-Trimethylbenzene	95-63-6	14	11	4.4	11
1,3-Dichlorobenzene	541-73-1	ND	ND	0.24	0.66
1,4-Dichlorobenzene	106-46-7	ND	ND	0.54	1.3
alpha-Chlorotoluene	100-44-7	ND	ND		
1,2-Dichlorobenzene	95-50-1	ND	ND	0.24	0.78
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.24	3
Hexachlorobutadiene	87-68-3	ND	ND		
Propylene	115-07-1	ND	ND		
1,3-Butadiene	106-99-0	ND	ND		
Acetone	67-64-1	160 E	78	46	110
Carbon Disulfide	75-15-0	ND	ND		
2-Propanol	67-63-0	35	23		
trans-1,2-Dichloroethene	156-60-5	ND	ND		
2-Butanone (Methyl Ethyl Ketone)	78-93-3	4	5.3	7.5	14
Hexane	110-54-3	12	7.8	6.5	19
Tetrahydrofuran	109-99-9	ND	ND	0.32	3.3
Cyclohexane	110-82-7	4.2	3.3	2.9	9.1
1,4-Dioxane	123-91-1	ND	ND		
Bromodichloromethane	75-27-4	ND	ND		
4-Methyl-2-pentanone	108-10-1	ND	ND		
2-Hexanone	591-78-6	ND	ND		
Dibromochloromethane	124-48-1	ND	ND		
Bromoform	75-25-2	ND	ND		
4-Ethyltoluene	622-96-8	12	9.3		
Ethanol	64-17-5	110 E	140 E	610	1600

Table 2 (continued)
Summary of Grab Samples

Methyl tert-butyl ether	1634-04-4	ND	3.7	6.7	27
Heptane	142-82-5	3.3	4.3	7.7	19
Naphthalene	91-20-3	4.8	5.1		
2-Methylpentane	107-83-5	6.4	7		
Isopentane	78-78-4	17	20		
2,3-Dimethylpentane	565-59-3	ND	4.7		
2,2,4-Trimethylpentane	540-84-1	ND	7		
Indene	95-13-6	3.7	ND		
Indan	496-11-7	5.5	3.9		
Thiophene	110-02-1	ND	ND		

TABLE 4
PHASE II AIR SAMPLING SUMMARY

COMPOUND NAME	CASNUM	SG1	SG2	SG3	IA1	IA2	IA3	IA4	IA5	IA6	IA7	IA8	IA9	IA10	IA11	AA2	AA3	AA4
Freon 12	75-71-8	2.7	ND	1.8	2.5	2.9	2.8	2.8	2.8	2.6	3.0	2.7	3.2	3.3	3.2	3.2	2.9	2.8
Freon 114	76-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	ND	ND	ND	0.90	0.98	0.92	0.86	1.0	1.3	1.2	1.1	1.0	0.62	1.1	1.1	0.99	0.90
Vinyl Chloride	75-01-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	74-83-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 11	75-69-4	1.4	ND	ND	1.4	1.4	1.5	1.6	1.5	1.5	1.6	1.7	1.6	1.6	1.8	1.8	2.0	1.6
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	76-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	75-09-2	8.9	ND	ND	1.7	2.9	1.4	ND	2.2	2.6	ND	ND	2.2	ND	1.9	ND	ND	ND
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	2.7	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56-23-5	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	71-43-2	ND	ND	ND	1.3	8.0	1.9	2.0	1.8	2.2	2.2	1.5	1.7	1.6	25	1.9	ND	ND
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	108-88-3	1.0	ND	1.8	3.9	9.1	5.8	5.8	8.6	13	3.8	4.0	8.6	4.1	40	3.6	ND	ND
trans-1,3-Dichloropropene	10061-02-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	3.6	ND	9.0	ND	ND	1.2	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	106-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	100-41-4	ND	ND	1.5	1.4	6.3	3.8	2.2	5.4	10	2.0	2.5	6.1	2.4	4.3	6.3	ND	ND
m,p-Xylene	108-38-3/106-42-3	0.73 J	ND	2.4	4.0	22	13	5.3	20	36	7.7	6.3	22	8.0	13	ND	ND	ND
o-Xylene	95-47-6	ND	ND	0.91	1.6	12	6.8	2.4	9.8	18	4.0	3.8	12	4.5	5.8	1.1	ND	ND
Styrene	100-42-5	1.6	ND	1.3	ND	ND	ND	ND	ND	0.81	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	ND	ND	ND	ND	2.2	1.1	0.89	1.9	4.4	1.1	1.1	2.2	1.3	1.2	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	ND	ND	1.0	1.9	5.8	3.6	2.5	5.0	13	2.7	2.8	5.6	3.5	3.4	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	ND	ND	1.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlorotoluene	100-44-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene	115-07-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	106-99-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	67-64-1	2.5	ND	7.3	78	52	27	20	47	98	24	22	65	36	26	8.5	7.4	12
Carbon Disulfide	75-15-0	ND	ND	9.8	ND	ND	ND	ND	ND	8.6	ND	ND	ND	ND	ND	ND	ND	ND
2-Propanol	67-63-0	ND	ND	ND	2.7	4.0	2.8	ND	5.4	5.2	6.5	16	4.5	7.7	5.2	ND	ND	ND
trans-1,2-Dichloroethene	156-60-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ND	ND	ND	12	ND	ND	2.6	2.7	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	110-54-3	ND	ND	ND	ND	9.1	ND	ND	3.4	7.5	ND	ND	ND	ND	12	ND	ND	ND
Tetrahydrofuran	109-99-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	110-82-7	ND	ND	ND	ND	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	123-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4
PHASE II AIR SAMPLING SUMMARY

COMPOUND NAME	CASNUM	SG1	SG2	SG3	IA1	IA2	IA3	IA4	IA5	IA6	IA7	IA8	IA9	IA10	IA11	AA2	AA3	AA4
4-Methyl-2-pentanone	108-10-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	591-78-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	75-25-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	822-96-8	ND	ND	ND	ND	4.6	ND	ND	ND	11	ND	ND	4.5	ND	ND	ND	ND	ND
Ethanol	64-17-5	ND	ND	3.9	14	44	26	17	54	61	91	150 E	48	91	35	5.8	5.6	5.9
Methyl tert-butyl ether	1634-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptane	142-82-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND
2-Methylpentane	107-83-5	ND	ND	ND	ND	14	ND	3.5	ND	3.5	ND	ND	ND	ND	ND	ND	18	ND
Isopentane	78-78-4	ND	ND	ND	3.1	24	3.5	16	7.4	5.0	3.1	3.0	4.9	3.8	46	3.1	37	7.4
2,3-Dimethylpentane	565-59-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	540-84-1	ND	ND	ND	ND	9.6	ND	ND	ND	ND	ND	ND	ND	ND	9.7	ND	4.5	ND
Indene	95-13-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indan	496-11-7	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND
Thiophene	110-02-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	17060-07-0	109	132	111	107	112	109	114	113	110	116	114	118	120	122	121	121	113
4-Bromofluorobenzene	480-00-4	104	98	103	100	104	105	100	104	109	106	103	104	129	104	108	104	104
Toluene-d8	2037-26-5	95	107	102	99	95	101	98	96	97	92	96	100	94	102	112	96	102

Above NYSDOH IA Upper Quartile value
Above NYSDOH IA 90th percentile value

TABLE 5
PHASE III AIR SAMPLING SUMMARY

COMPOUND NAME	CASNUM	SG1	SG2	SG3	IA1	IA2	IA3	IA4	IA5	IA6	IA7	IA8	IA9	IA10	IA11	AA1	AA2	AA3	AA4
Freon 12	75-71-8	3.0	ND	2.6	3.0	3.1	3.0	3.3	3.2	2.9	2.8	2.9	2.7	3.0	3.1	3.2	2.7	3.4	3.1
Freon 114	76-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	ND	ND	ND	0.92	1.2	1.1	0.94	1.2	1.0	0.69	0.67	0.78	1.3	1.1	1.2	ND	ND	1.2
Vinyl Chloride	75-01-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	74-83-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 11	75-69-4	1.6	ND	ND	1.9	2.2	1.6	1.8	1.5	1.8	1.5	1.6	1.7	1.8	1.7	1.5	1.4	1.4	1.6
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	76-13-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	75-09-2	ND	ND	ND	1.6	3.4	2.5	1.3	5.0	5.1	1.9	1.3	4.0	2.5	1.8	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	3.4	ND	1.3	ND	0.86	ND	ND	1.0	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	56-23-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	71-43-2	ND	ND	6.7	11	3.3	3.4	1.7	6.2	4.1	2.5	2.0	3.3	2.6	2.7	ND	1.6	ND	ND
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	108-88-3	ND	ND	7.3	21	13	13	6.9	20	23	8.4	7.2	13	9.8	7.9	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	4.9	ND	7.8	2.1	3.2	2.8	2.5	4.0	3.9	2.4	2.7	3.1	2.2	3.3	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	106-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	100-41-4	ND	ND	ND	2.7	3.6	3.8	1.4	6.0	5.2	2.1	1.5	4.4	2.6	2.2	ND	ND	ND	ND
m,p-Xylene	108-38-3/106-42-3	ND	ND	ND	7.2	11	11	4.4	17	18	5.6	5.1	12	6.5	6.4	ND	ND	ND	ND
o-Xylene	95-47-6	ND	ND	ND	2.1	5.2	4.2	1.8	6.0	7.7	3.1	1.8	5.3	2.6	2.6	ND	ND	ND	ND
Styrene	100-42-5	ND	ND	0.90	ND	0.96	ND	ND	ND	1.6	ND	ND	0.92	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	ND	ND	ND	ND	ND	1.4	ND	1.5	2.7	ND	ND	1.9	1.0	0.85	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	ND	ND	ND	1.8	5.2	4.4	1.8	4.8	8.0	2.8	2.1	5.6	2.8	2.3	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlorotoluene	100-44-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-86-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene	115-07-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	106-99-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	67-64-1	9.8	ND	26	15	75	48	13	120	160	38	22	76	48	26	39	9.8	11	9.2
Carbon Disulfide	75-15-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Propanol	67-63-0	ND	ND	ND	3.7	60	40	3.5	61	95	25	45	56	38	19	2.4	2.2	ND	ND
trans-1,2-Dichloroethene	156-60-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ND	ND	6.6	ND	3.8	ND	ND	6.2	3.6	ND	ND	7.4	ND	ND	ND	ND	ND	ND
Hexane	110-54-3	ND	ND	ND	3.8	5.5	3.9	ND	8.6	11	ND	ND	5.0	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	109-99-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	110-82-7	ND	ND	ND	ND	3.3	ND	ND	4.5	5.9	ND	ND	3.5	ND	ND	ND	ND	ND	ND

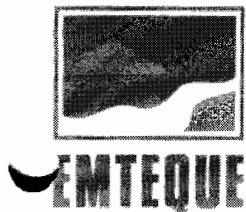
TABLE 5
PHASE III AIR SAMPLING SUMMARY

COMPOUND NAME	CASNUM	SG1	SG2	SG3	IA1	IA2	IA3	IA4	IA5	IA6	IA7	IA8	IA9	IA10	IA11	AA1	AA2	AA3	AA4
1,4-Dioxane	123-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	ND	ND	10	ND
Bromodichloromethane	75-27-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	108-10-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	591-78-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	75-25-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	622-96-8	ND	ND	ND	ND	ND	ND	ND	4.7	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanol	64-17-5	3.8	ND	3.8	13	64	53	15	87 E	100 E	95 E	60	59	120	29	13	11	8.0	10
Methyl tert-butyl ether	1634-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptane	142-82-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91-20-3	UJ	ND	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ
2-Methylpentane	107-83-5	ND	ND	ND	6.4	4.4	3.1 J	ND	6.4	5.1	ND	ND	3.4	ND	ND	ND	ND	ND	3.9
Isopentane	78-78-4	ND	ND	6.6	21	12	7.1	12	15	16	9.5	6.4	12	6.8	6.0	6.5	3.9	5.2	12
2,3-Dimethylpentane	565-59-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	540-84-1	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indane	95-13-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indan	496-11-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thiophene	110-02-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane-d4	17060-07-0	111	121	116	118	119	119	113	115	110	105	106	111	116	115	114	109	114	115
4-Bromofluorobenzene	460-00-4	95	97	99	99	99	98	98	98	94	92	92	100	95	98	93	99	96	93
Toluene-d8	2037-26-5	100	104	97	96	99	100	102	102	107	103	103	100	104	96	95	100	100	97

Above NYSDOH IA 90th percentile value

Above NYSDOH OA Upper Quartile Value

APPENDIX A
WORK PLAN



**Volatile Organic Compound
Air Sampling
Work Plan**

**West 19th Street Development Site
New York, New York**

Brownfield Cleanup Agreement Number:

W2-1012-04-07

Site Number:

C231017

Prepared for:

Turner Construction Company
375 Hudson Street
6th Floor
New York, New York 10014

Prepared by:

EMTEQUE Corporation
505 Eighth Avenue
Suite 900
New York, New York 10018

EMTEQUE Corporation Project Number 04-2147

January 3, 2005

Prepared and Approved by:

Neil A. Feldscher, C.I.H., CSP

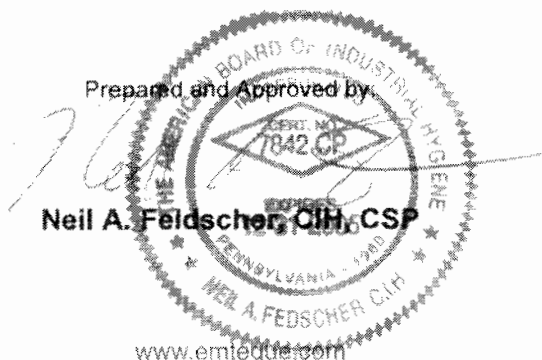


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Attachments

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Attachment 2	New York State Department of Health Indoor/Outdoor Volatile Organic Compounds
Attachment 3	Action Level Development

SECTION 1 Introduction and Program Objectives

The Gasser Building ("subject building"), located at 524 West 19th Street, Block 690, Lot 46, and surrounding area is a former Manufactured Gas Plant ("MGP") site. The subject building is a two-story building, which is bounded on the north by 19th Street, the east by an adjacent building, and on the south and west by the West 19th Street Development Site construction site. The subject building sits on a surface level slab and is without a basement.

This program is being implemented in conjunction with a sampling program implemented by the Consolidated Edison Company of New York, Inc. ("Con Edison"). It is understood that the intent of Con Edison's program is to determine what impact the contaminated remains of the former MGP site has upon the subject building under "static" conditions (namely what affect the MGP residues have upon the building environment without human or building activity). Con Edison's testing was performed on Sunday December 19, 2004 on a vacant, shut down building (the subject building) that was "aired-out" on Saturday December 18, 2004 prior to the sampling. In addition, no construction work was taking place at the West 19th Street Development Site for either the air-out day or the sampling day. Con Edison prepared a Work Plan for their work that was performed at the subject building and EMTEQUE reviewed that Work Plan and incorporated various aspects of it within this program. EMTEQUE understands that Con Edison's work plan is a standard sampling program that has received New York State Department of Environmental Conservation ("NYSDEC") and New York State Department of Health ("NYSDOH") approval.

The intent of this Work Plan and sampling program is to develop data and information in addition to that developed by Con Edison to determine:

- Impacts, if any, to indoor air quality from the normal building operations;
- Impacts, if any, to indoor air quality from the construction activities;
- Complete exposure pathways, if any exist;
- If impacts, if any are identified, present health risk to building occupants – if complete exposure pathways are identified; and
- Potential mitigation methods – if impact and complete exposure pathways are identified.

The purpose of this Work Plan is to provide practical guidance and direction for conducting the field and laboratory work at the subject building. The Work Plan also provides important considerations for interpretation of results. However, the interpretation of a particular set of data will necessarily take into account numerous site-specific factors along with professional judgment. Therefore, this Work Plan reflects this site-specific aspect of interpretation.

For purposes of this program it is understood that Con Edison has performed the occupant interviews and chemical inventory, with EMTEQUE Corporation's ("EMTEQUE") observation. As such, this program does not attempt to duplicate those efforts and work of that nature is only summarized within this program. However, that information, where available, will be included within the final report and that information may be utilized in drawing conclusions and recommendations.

Nothing within this Work Plan should be understood to limit the scope of recommendations, including additional sampling, investigation, etc. that may be necessary or advantageous based upon observations, sampling, etc. that occurs as part of this Work Plan.

SECTION 2 Phased Approach to Air Quality Assessments

This section describes a general approach to the sequence of activities that may be conducted to provide a rapid screening-level assessment of the intrusion of vapors into the subject building. The work will proceed in a stepwise manner so that the appropriate and necessary information is obtained, while minimizing disruption to the property owners, users, and inhabitants.

Step 1. Building inspection. This step has been completed by Con Edison. Con Edison performed an inspection that followed a protocol that included noting the building structure, environmental conditions, unusual odors, conducting interviews with occupants, and performing an inventory of potential indoor sources. Con Edison also installed three permanent soil gas monitoring points that will be used to collect soil gas samples as part of this study. Since the installation of these monitoring points was included as work of Con Edison within their approved Work Plan, descriptions and plans for that work (and the soil gas monitoring points) is not included within this Work Plan.

Step 2. Establish an air monitoring system within the subject building. This system will incorporate direct read photoionization detectors ("PID") along with established action levels intended to initiate various protective actions, as necessary, within the subject building. In addition, a computerized system of data reporting will be incorporated to aid in the correlation of the obtained results with the construction and subject building activities.

Step 3. Conduct one round of air sampling while the building is active but the construction site is inactive. Sampling during this step, similar to later sampling and to Con Edison's sampling, shall incorporate outdoor air, indoor air, and soil gas locations. These sampling locations will be determined based upon the monitoring points installed by Con Edison and shall otherwise be within the discretion of the Certified Industrial Hygienist ("CIH") preparing this Work Plan. It is anticipated that this data will be indicative of impacts that normal building operations have on air quality within the subject building.

Step 4. Conduct sampling during normal subject building and construction site activities. An additional round of sampling will be conducted while construction work is proceeding normally adjacent to the subject building. It is anticipated that this sampling will be indicative of any impact the construction site may be having on air quality in the subject building. Normal construction site activities is considered to be the routine activities, including drilling, that the Contractor performs on a daily basis and is required in order to obtain the desired construction result.

Step 5. Evaluate Results. All analytical results, site history information, and building inspection information will be brought together to evaluate whether hazardous constituents in indoor air are above site ambient and published background concentrations, and if so, whether they are associated with MGP sources, normal building operations, or construction activities.

SECTION 3 On-Site Monitoring Program

This section describes the on-site monitoring program. The basis of the on-site monitoring program will be the installation of direct read monitoring equipment. This monitoring equipment, along with established action levels, will be utilized to identify when response actions should be implemented.

3.1 Monitoring Equipment

The below identifies the equipment to be utilized in the work of this Section. This equipment list may be modified at the direction of the CIH.

- Photoionization Detectors (AreaRAE or other RAE systems PID wirelessly enabled)
- Monitoring Computer running ProRAE Remote software
- Portable Gas Chromatograph/Mass Spectrometer ("GC/MS") (TBD)

This equipment shall be set up and installed in a manner that allows the unattended computerized datalogging of all recorded values. In addition, the computer shall be set to notify Turner's superintendent, or other designated Turner representative, and the CIH of any reported action level exceedances.

3.2 Action Levels

It is understood for purposes of establishing this action level protocol that the subject property will be utilized for commercial and business purposes during the course of this work. The actions of these levels are cumulative and the fact that observed levels advance from background to Level 2 without stopping (or providing adequate time) at Level 1 shall not alleviate the need to perform the operations set forth by the lower Action Level. It should be noted that nothing herein prevents sampling, investigation, or remedial action prior to achieving a set action level.

At the discretion of the CIH, additional actions may be taken or response actions may be modified. In addition to the stated Action Levels, grab samples may be collected at any time and may be based upon portable GC/MS results, consultation with the NYSDEC and/or NYSDOH, or at the discretion of the CIH. Action Level settings may additionally be modified by the CIH upon the obtaining and inclusion of additional testing data.

ACTION LEVEL SUMMARY			
Action Level		Time Period	Action
#	ppm		
1	3.6	Five Minutes	Additional Investigation and portable GC/MS sampling
2	7.5	Two consecutive readings	Sampling for laboratory analysis and ventilation of space
3	14.6	Two consecutive readings	Ceasing of source activity or all work activities
4	21.6	Two consecutive readings	Evacuation of subject building

The development protocol for the established action levels is included as Attachment 3 to this Work Plan. Usage and installation of the PIDs is discussed in Section 3.4.

Action Level 1: Action Level 1 triggers additional investigation of the observed volatile organic levels. This additional investigation will include portable GC/MS sampling along with a visual investigation (including the use of direct read portable sampling equipment) of possible volatile organic vapor sources. Results of this investigation will be documented. The portable GC/MS results shall be utilized in the investigation of potential sources of the identified organic vapor levels. Where the GC/MS identifies the presence of MGP expected constituents (i.e., BTEX, naphthalene, etc.), the construction site activities should be considered for their potential to affect the air quality. Additionally, where the GC/MS identifies solvents or other chemicals that may be building related, the tenant and gallery activities should be considered for their potential to affect the air quality. Where the GC/MS identifies unusual compounds, levels, or high levels of single compounds, additional consideration or investigation may be necessary to determine sources or identify areas of concern. The presence of single compound concentrations will also identify areas where the established action level will need to be considered by the CIH.

Action Level 2: Action Level 2 triggers sampling and ventilation of the space. Sampling shall be a grab sample intended to identify the constituents and perhaps the source of the volatile organic vapors. The grab sample shall be submitted for laboratory analysis. Ventilation shall be circulatory in nature and shall be exhausted to the exterior where possible. Ventilation shall be directed at the area of the observed volatile organic level and at the known or suspected source of the observed level.

Action Level 3: Action Level 3 triggers the ceasing of all work that may have an impact on the subject building's air quality. If a definitive determination has been made (or is made at this action level) as to the source of the observed levels, then only that operation shall be ceased. The work operation will not recommence until levels are reduced to or below Action Level 1. The operation shall be amended or modified in a manner to reduce future volatile organic levels.

It should be noted that identified sources may consist of construction activities as well as tenant or gallery operations. Where the identified source is a tenant or gallery operation, Mr. Gasser will be notified of this fact along with the recommendation that the operation be ceased until volatile organic levels return to below Action Level 1. Upon identification that triggering of the Action Level system occurred due to building operations, no additional triggering of the Action Level system will be considered until the building returns to a level beneath Action Level 1.

Action Level 4: Action Level 4 triggers the removal of personnel from the subject building until levels are reduced to or below Action Level 1. The investigation actions of Level 1, ventilation actions of Level 2, and work cessation of Level 3 shall comprise the three initial forms of action. Additional investigative work and response actions shall be based upon an investigation to be performed or led by the CIH.

3.3 Monitoring Locations

Three monitoring locations shall be established within the subject building. These locations shall be:

- First Floor – Florist Tenant, generally on west side
- Second Floor – By gallery offices, on west side
- Second Floor – Gallery, toward south and/or west

3.4 Equipment Usage

All equipment shall be calibrated prior to placement and then periodically in accordance with manufacturer's recommendations or as set by the CIH. Equipment shall be installed in accordance with manufacturer's recommendations and where possible, equipment shall be hard-mounted to prevent movement or disturbance. The PIDs shall be set to record in five minute increments with a five minute averaging.

3.5 Reporting and Notification

The New York State Department of Health shall be notified of any triggering of Action Levels 3 or 4. Notification shall occur within one business day.

Exceedances of action levels along with actions taken shall be recorded and maintained in a log. The log shall be compiled into a final report at the completion of the monitoring.

3.6 Completion of Monitoring

At the completion of three weeks of monitoring without the triggering of an Action Level or at the completion of intrusive activities at the construction site, EMTEQUE shall consider the monitoring complete.

SECTION 4 Sampling Methods

This section provides general guidance regarding the field methods to be used for the program. Methods are described for building inspection activities, soil gas sampling, indoor air sampling, and ambient air sampling. Analytical methods are described in Section 4.

As discussed above, two sets of samples are expected to be obtained under this Work Plan. The first set of air samples will be conducted while normal building operations are occurring but the construction site is non-operational. The second set of air samples will be conducted while both the building and the construction site are operating under normal conditions. This section and this Work Plan in general will discuss either "set" specifically or both "sets" generally to refer to one or both of these sets. It is considered that necessary building repairs, including the repair of floor cracks and floor openings, would be completed prior to the performance of this sampling.

4.1 Building Inspection

Con Edison has already performed the building inspection, including occupant interviews and chemical inventories, with observation by EMTEQUE. Additional work including evaluation of pressure differentials; airflow patterns, characteristics, and directions; along with an evaluation of the air handling systems will be performed by EMTEQUE.

4.1.1 Resident Interviews

Resident/occupant interviews were performed by a contractor representing Con Edison. Con Edison's contractor utilized the New York State Department of Health/Division of Environmental Health Assessment/Bureau of Toxic Substance Assessment Indoor Air Quality Questionnaire and Building Inventory form for the performance of this task. The results of these interviews along with Con Edison's testing program will be reported by Con Edison in the form of a written report, which is expected in January 2004.

4.1.2 Indoor Survey

The general indoor survey to account for sources or organic vapors other than soil contamination was performed by Con Edison's contractor as detailed above.

Additional areas that EMTEQUE is expecting to survey include but are not limited to the following:

- Physical dimensions and layout of the building
- Condition and type of walls and floor
- Floor drain location and discharge
- Air intake locations for combustion appliances
- Types and construction of air-handling systems
- Airflows and air pathways associated with air-handling systems (measured with smoke stick, velometer, anemometer, or other method)
- Pressure differential(s) created by air-handling systems or by any other means (measure by u-tube or other method)
- Other air intakes

The items within this list are based upon EMTEQUE's observation of Con Edison's inspection of the subject building. The goal of this inspection is not to duplicate Con Edison's efforts and as such only items that are not performed by Con Edison contracted personnel will be performed by EMTEQUE.

The following environmental factors will be documented because they may affect the concentrations of vapors present in the building or beneath the concrete slab:

- Indoor and outdoor air temperatures (measured with a thermometer)
- Frozen or wet surface soils (observed)
- Wind speed and direction (from local meteorological station)
- Barometric pressure (from local meteorological station), and trend (rising or falling).

4.2 Soil Gas Sampling

4.2.1 Location and Number of Samples

Soil gas sampling will be conducted at the three locations determined by Con Edison during their placement of the permanent soil gas monitoring points. The soil gas monitoring points were constructed in accordance with the approved Con Edison Work Plan. The soil gas monitoring locations are within the front of the florist shop (towards the northwest corner of the subject building), by the florist shop offices (towards the center of the subject building), and at the back of the gallery storage area (towards the southeast corner of the subject building). These three locations will be sampled concurrent with each set of indoor/outdoor air samples.

4.2.2 Sampling Equipment and Methods

Soil gas samples will be collected in stainless steel canisters ("Summa™ Canisters") over approximately 30 to 120 minutes by drawing air through Teflon tubing from the installed monitoring well. A vacuum gauge will be used to check both the initial and final vacuum in the canisters. Sampling rate shall not exceed 0.2 liters per minute. A PID or personal sampling pump shall be utilized to purge all tubing prior to sampling. Purging shall be performed for sufficient time to ensure that the entire length of tubing has been completely purged.

4.2.3 Sampling Conditions

Atmospheric conditions will be taken into account when scheduling the soil gas sampling activities. If possible, these activities, as well as all soil gas and indoor air assessment activities, will be done during falling barometric pressure conditions to take advantage of an upward soil gas pressure gradient that would lead to measurements under conservative, worst-case conditions. In addition to the pressure monitoring discussed in Section 3.1.2 above, pressure differentials will be recorded at the soil gas monitoring points.

4.3 Indoor Air Sampling

4.3.1 Location and Number of Samples

A set of air samples will be collected from within the building. These samples will be conducted concurrent with the soil gas and ambient air samples. Samples of indoor air will be collected from both the first and second floors of the subject building. Based upon the performed Con Edison Work Plan, EMTEQUE anticipates collecting six indoor air samples from the first floor and two indoor samples from the second floor. These eight samples shall be considered the minimum that EMTEQUE will collect. Based upon the Con Edison sampling program these first floor locations will be: Florist shop – front closet, Florist shop – by front of store, Florist shop – southwest corner, Florist shop – by offices, Gallery storage – front closet, and Gallery storage – back. The second floor locations will be: Gallery and Apartment. Additional samples may be collected or locations modified at the CIH's discretion.

4.3.2 Sampling Equipment and Methods

Indoor air samples will be collected over a time period to be determined by the CIH after consideration of the building and construction activities, anticipated organic vapor levels, and potential for variation of organic vapor levels through time. This time period is initially estimated to be eight hours but shall be subject to CIH discretion. Samples may not be collected for periods exceeding 24 hours. Samples shall not be collected for a less than 60-minute period without express approval of the CIH. Sample flow rates will not exceed 0.2 liters per minute. Samples will be collected in 6-liter Summa™ canisters by drawing air through Teflon tubing, stainless steel extension, or by elevated placement of the canister unless an alternative is expressly approved by the CIH. The end of the tubing will be placed approximately three to five feet above the floor level. A vacuum gauge will be used to check both the initial and final vacuum in the canisters. Indoor air temperature will be recorded at the time of sample collection. If tubing is utilized in the sampling, a PID or personal sampling pump shall be utilized to purge the tubing prior to sampling. Purging shall be performed for sufficient time to ensure that the entire length of tubing has been completely purged.

4.4 Ambient (Outdoor) Air Sampling

4.4.1 Duration, Location and Number of Samples

Ambient air samples will be collected concurrently with each set of indoor air samples. At a minimum, four samples are expected to be obtained as these samples are expected to be performed in the same locations as those performed by Con Edison in accordance with their approved Work Plan. These locations are expected to be on 18th Street south of the subject building, 19th Street immediately north of the subject building, West Side Highway west of the subject building, and on the roof of the subject building. Similar to the indoor air samples, the duration of the samples shall be subject to CIH approval but shall not be less than one hour. This time period is initially estimated to be eight hours but shall be subject to CIH discretion.

To the extent possible, ambient air samples will be collected from open areas and away from extraneous point sources such as car exhausts or fuel tanks. Ambient air samples will be collected at the approximate midpoint of the ground story level of the building,

usually about five feet above the ground surface, and about 5 to 15 feet away from any building. Outdoor barometric air pressure and air temperature will be collected at the beginning, midpoint and end of ambient air sampling event.

4.4.2 Sampling Equipment and Methods

To avoid the introduction of extraneous variables, ambient air sampling will be done using the same equipment and methods as indoor air sampling, except that a different sampling time may be used in the ambient air sampling depending on the site-specific conditions. If tubing is utilized in the sampling, a PID or personal sampling pump shall be utilized to purge the tubing prior to sampling. Purging shall be performed for sufficient time to ensure that the entire length of tubing has been completely purged.

4.4.3 Sampling Conditions

Atmospheric conditions will be noted, including general weather conditions, temperature, the presence of a temperature inversion, humidity, wind direction, wind speed, barometric pressure and trend (rising or falling). Environmental conditions such as unusual vehicle traffic will also be noted.

SECTION 5 Analytical Methods

The screening program described in this Work Plan is designed to identify whether normal building operations and/or the construction operations are affecting the indoor air of the subject building. The primary volatile chemicals of interest are benzene, ethylbenzene, xylenes, toluene (BTEX) and naphthalene which are components of MGP tars that are known to have potential health impacts. Possible sources of indoor BTEX and naphthalene may include soil vapor, non-MGP related indoor sources and ambient air.

5.1 Indoor Air, Ambient Air and Soil Gas

Indoor, ambient and soil gas air samples will be analyzed for standard volatile organic compounds using EPA Method TO-15. In addition these samples will be analyzed for the extended analyte list established in Con Edison's Indoor Air Program. This list is included as Attachment 1 to this Work Plan. This additional list includes indicator hydrocarbons believed to be associated with either coal tar, diesel fuels or gasoline. Interpretation of the results may enable the identification of these different sources. The remaining constituents in the extended analyte list include Ozone Precursors.

SECTION 6 Quality Assurance/Quality Control

All samples collected during this program will be analyzed using a laboratory that has a current NYS Environmental Laboratory Approval Program (ELAP) certification for air analysis. The remainder of this section discusses the data quality objectives for this program.

6.1 General Precautions

To prevent sampling interference, sampling personnel will not pump gasoline or use permanent marking pens during the sampling days. All other similar activities will be avoided and extreme care will be taken to ensure that high quality data are obtained.

6.2 Indoor, Ambient and Soil Gas Air

Detailed information on the time and location will be collected for each sample and the information will be recorded on the sampling log/chain of custody form. Once samples are collected they will be stored according to the method protocol and delivered to the analytical laboratory within two days. Samples should not exceed recommended holding times prior to being processed by the laboratory. Laboratory procedures for sample accession and chain of custody will be followed. The outdoor barometric air pressure and temperature will be collected at the beginning, midpoint and end of each workday at the site location. For indoor air samples, the indoor air temperature will be recorded at the time of sample collection. Quality control duplicate and/or replicate samples may be collected at the discretion of the CIH. All data will be documented on standard chain of custody records, field data sheets or site logbooks. All instrumentation will be operated in accordance with operating instructions as supplied by the manufacturer, unless otherwise specified in the Work Plan. A vacuum gauge will be used to check both the initial and final vacuum in the canisters. The initial vacuum prior to use will be checked to ensure mechanical integrity of the canister, and should be approximately 30 inches mercury (in Hg). The final vacuum should read from approximately 2 to 10 in Hg. Site name, sample location, number, and date will be recorded on a chain of custody form and on a blank tag attached to the canister. Sample holding times for canisters is 14-days.

SECTION 7 Interpretation of Results and Reporting

7.1 Limitations

The screening program described in this Work Plan is designed to provide an assessment of vapor intrusion into the subject building. The interpretation and conclusions drawn from the sampling performed in accordance with this Work Plan will be subject to the standard limitations inherent in air sampling programs of limited duration.

7.2 Evaluation of Indoor Air Monitoring Results

Indoor air monitoring results, along with any samples obtained as part of the procedures set forth in Section 3, will determine actions as described in Section 3. Additional interpretation and/or any discussion of observed levels shall be performed by the CIH in accordance with general industrial hygiene procedures.

7.3 Evaluation of Soil Gas Sampling Results

Soil gas sampling results will not be individually evaluated. Soil gas sampling results shall be utilized in the discussion of the evaluation of the indoor and outdoor air sampling results, as discussed below.

7.4 Evaluation of Indoor Air Sampling Results

The evaluation of indoor air sampling results is complicated by the presence of multiple sources of hydrocarbons that are similar to those associated with MGP impacts. If indoor air sampling results show that indoor air concentrations of hazardous indicator constituents are above typical New York State indoor air concentrations, and multiple sources are suspected, then additional investigation of laboratory data may be recommended. Identification of sources and allocation of concentrations will be attempted, as described in Sections 4 and 5, to determine whether or not the concentrations of hazardous indicator constituents exceed the median New York State indoor air concentrations. Consideration as to whether these values constitute a health hazard may also be considered in the evaluation of the indoor air sampling results.

In addition to the comparison of the indoor sampling data to the New York State reported values for typical indoor conditions, a comparison between the indoor and outdoor air samples for each sampling event shall be conducted. Analytes detected in indoor air that were also detected at equal or lower concentrations in outdoor samples shall not be considered a concern.

Comparisons shall also be conducted between the sets of obtained air samples. This includes the Con Edison samples obtained under static conditions, EMTEQUE samples obtained under normal building operations, and EMTEQUE samples obtained while both the building and construction site are experiencing normal operations. This final method of data analysis will be useful in determining whether normal building operations and/or construction activities are having an impact on the indoor air quality of the subject building.

7.5 Reporting

EMTEQUE will provide a report summarizing the work performed, sampling results, and any conclusions and recommendations. Work performed by Con Edison and shared with EMTEQUE will also be included within this report.

SECTION 8 Further Investigation Recommendations and/or Potential Mitigation Measures

Further investigation recommendations and/or potential mitigation measures may be presented within the prepared report, dependent upon EMTEQUE's findings.

ATTACHMENT 1
Extended Analyte List

Table 4-1 Extended Target Analyte List for Soil Gas and Indoor Air Samples

Hydrocarbon		CAS Number	Reporting Limit RL ppbV
n-alkanes			
Petrol.	Butane	106-97-8	5
	Pentane	109-66-0	2
	Hexane	110-54-3	2
	Heptane	142-82-5	2
	Octane	111-65-9	2
	Nonane	111-84-2	2
	Decane	124-18-5	2
	Undecane	1120-21-4	2
branched alkanes			
Petrol.	2,4-Dimethylpentane	108-08-7	2
	2,2-Dimethylbutane	75-83-2	5
	3-Methylhexane	589-34-4	2
	2,3-Dimethylbutane	79-29-8	2
	2-Methylheptane	592-27-8	2
	2-Methylhexane	591-76-4	5
	2-Methylpentane	107-83-5	2
	3-Methylpentane	96-14-0	2
	Isobutane	75-28-5	5
	3-Methylheptane	589-81-1	2
	2,3,4-Trimethylpentane	565-75-3	2
	Isopentane	78-78-4	5
	2,3-Dimethylpentane	565-59-3	2
	2,2,4-Trimethylpentane	540-84-1	5
cycloalkanes			
Petrol.	Cyclopentane	287-92-3	2
	Methylcyclopentane	96-37-7	5
	2,3-Dimethylhexane	584-94-1	2
	2,5-Dimethylhexane	592-13-2	2
	2,2,5-Trimethyl-hexane	3522-94-9	2
	Cyclohexane	110-82-7	2
	Methylcyclohexane	108-87-2	2
Alkenes, alkynes & diolefins			0.5
	cis-2-Butene	590-18-1	2
	cis-2-Pentene	627-20-3	2
	1-Pentene	109-67-1	2
	1-Butene	106-98-9	5
	trans-2-Pentene	646-04-8	2
	1-Hexene	592-41-6	5
	Isoprene	78-79-5	2
	trans-2-Butene	624-64-6	2
Aromatics & heterocycles			
MGP	2-Ethyltoluene	611-14-3	2
	Propylbenzene	103-65-1	5
	1,3-Diethylbenzene	141-93-5	2
	m,p-Xylene	136777-61-2	2
	1,4-Diethylbenzene	105-05-5	2
	4-Ethyltoluene	622-96-8	5
	Benzene	71-43-2	2
	Thiophene	110-02-1	2
	Toluene	108-88-3	2
	Ethyl benzene	100-41-4	2
MGP	o-Xylene	95-47-6	2
	Styrene	100-42-5	2
	3-Ethyltoluene	620-14-4	5
	Cumene	98-82-8	5
MGP	1,3,5-Trimethylbenzene	108-67-8	2
	1,2,4-Trimethylbenzene	95-63-6	2
	1,2,3-Trimethylbenzene	526-73-8	2
	Indane	496-11-7	2
	Indene	95-13-6	5
	Naphthalene	91-20-3	2

ATTACHMENT 2

**NEW YORK STATE
DEPARTMENT OF HEALTH
SUMMARY OF INDOOR/OUTDOOR
VOLATILE ORGANIC COMPOUNDS**

**Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes in NYS,
1997-2003**

**All Results are Micrograms Per Cubic Meter
Revised 11-16-04**

Chemical	Indoor							Outdoor						
	N	ND(%)	Lower Quartile	Median	Upper Quartile	90th Pctl	Upper F	N	ND(%)	Lower Quartile	Median	Upper Quartile	90th Pctl	Upper F
1,1,1-TRICHLOROETHANE	406	37.2	0.18	0.38	1.4	3.5	3.1	203	59.6	0.13	0.22	0.38	0.60	0.76
1,1,2,2-TETRACHLOROETHANE	406	97.3	0.067	0.14	0.20	0.23	0.39	203	99.5	0.060	0.13	0.18	0.23	0.36
1,1,2-TRICHLOROETHANE	406	96.1	0.068	0.13	0.20	0.24	0.41	203	99.0	0.056	0.12	0.18	0.22	0.38
1,1,2-TRICHLOROTRIFLUOROETHANE	406	40.6	0.18	0.61	1.1	1.8	2.5	203	43.3	0.16	0.61	1.1	1.8	2.4
1,1-DICHLOROETHANE	406	99.5	0.061	0.12	0.19	0.23	0.38	203	100.0	0.073	0.13	0.18	0.22	0.34
1,1-DICHLOROETHENE	406	98.0	0.064	0.12	0.19	0.23	0.38	203	100.0	0.073	0.13	0.19	0.23	0.37
1,2,3-TRIMETHYLBENZENE	406	39.7	0.16	0.39	1.1	2.7	2.6	203	75.9	0.094	0.18	0.25	0.54	0.48
1,2,4-TRICHLOROBENZENE	406	79.8	0.084	0.16	0.24	3.0	0.46	203	83.7	0.079	0.15	0.23	2.3	0.45
1,2,4-TRIMETHYLBENZENE	406	10.6	0.78	2.0	4.4	11	10	203	49.3	0.15	0.29	1.0	2.2	2.4
1,2-DIBROMOETHANE	406	99.3	0.066	0.13	0.19	0.23	0.37	203	99.5	0.054	0.12	0.21	0.24	0.44
1,2-DICHLOROBENZENE	406	78.8	0.085	0.15	0.24	0.78	0.48	203	82.8	0.072	0.15	0.22	0.66	0.44
1,2-DICHLOROETHANE	406	99.0	0.058	0.23	0.19	0.22	0.38	203	99.5	0.074	0.15	0.20	0.22	0.4
1,2-DICHLOROPROPANE	406	97.8	0.065	0.14	0.20	0.24	0.39	203	97.0	0.073	0.14	0.19	0.23	0.38
1,2-DICHLOROTETRAFLUOROETHANE	406	86.2	0.080	0.14	0.21	0.63	0.42	203	83.3	0.086	0.16	0.23	0.56	0.44
1,3,5-TRIMETHYLBENZENE	406	25.9	0.24	0.64	1.7	3.8	3.9	203	66.5	0.094	0.19	0.44	0.83	0.96
1,3-DICHLOROBENZENE	406	78.8	0.073	0.15	0.24	0.66	0.49	203	85.2	0.068	0.16	0.23	0.48	0.46
1,4-DICHLOROBENZENE	406	66.3	0.10	0.19	0.54	1.3	1.2	203	81.3	0.062	0.14	0.23	0.66	0.49
2,3-DIMETHYLPENTANE	406	33.3	0.18	0.59	2.1	7.9	5.0	203	69.0	0.094	0.20	0.41	1.4	0.88
2,4-DIMETHYLPENTANE	406	34.7	0.18	0.57	1.9	7.7	4.5	203	65.5	0.097	0.19	0.49	1.1	1.1
ACETONE	230	1.2	10	21	46	110	100	115	0.9	3.9	7.3	23	53	52
ALPHA-PINENE	406	16.7	0.50	1.7	4.9	17	12	203	57.1	0.12	0.22	0.61	2.6	1.4
BENZENE	406	2.7	1.2	2.2	5.7	15	13	203	3.9	0.86	1.5	2.6	5.2	5.2
BROMOMETHANE	406	77.3	0.094	0.17	0.24	0.58	0.46	203	80.8	0.077	0.15	0.24	0.47	0.48
CARBON TETRACHLORIDE	406	45.1	0.16	0.34	0.68	0.87	1.5	203	48.3	0.14	0.31	0.68	0.81	1.5
CHLOROBENZENE	406	99.5	0.065	0.12	0.19	0.23	0.38	203	100.0	0.061	0.12	0.19	0.23	0.38
CHLOROETHANE	406	90.9	0.074	0.13	0.20	0.25	0.39	203	93.6	0.068	0.15	0.21	0.24	0.42
CHLOROFORM	406	52.7	0.12	0.24	0.54	1.4	1.2	203	81.3	0.069	0.14	0.23	0.44	0.47
CHLOROMETHANE	406	44.3	0.15	0.67	2.0	3.3	4.8	203	44.8	0.12	0.78	2.0	3.3	4.8
CIS-1,2-DICHLOROETHENE	406	94.1	0.068	0.14	0.20	0.24	0.39	203	99.0	0.068	0.14	0.20	0.23	0.40
CIS-1,3-DICHLOROPROPENE	406	98.3	0.070	0.12	0.20	0.24	0.40	203	99.5	0.067	0.14	0.19	0.22	0.38
CYCLOHEPTANE	406	39.9	0.16	0.52	1.3	3.1	3.0	203	70.4	0.072	0.16	0.36	0.80	0.79
CYCLOHEXANE	406	30.0	0.21	0.79	2.9	9.1	6.9	203	63.5	0.10	0.20	0.62	2.2	1.4
DICHLORODIFLUOROMETHANE	406	47.5	0.14	0.87	5.6	15	14	203	46.8	0.12	2.2	5.1	7.7	13
d-LIMONENE	406	16.7	0.61	3.1	9.3	25	22	203	71.4	0.077	0.18	0.39	1.5	0.86
ETHYL ALCOHOL	230	1.3	40	210	610	1600	1500	115	1.7	3.8	9.0	17	67	37
ETHYLBENZENE	406	13.3	0.43	1.1	2.8	7.3	6.4	203	50.2	0.14	0.25	0.61	1.2	1.3
ETHYLCYCLOHEXANE	406	37.2	0.16	0.41	1.3	2.7	3.0	203	78.3	0.083	0.16	0.24	0.60	0.48
ETHYLMETHACRYLATE	230	96.1	0.077	0.13	0.20	0.24	0.38	115	100.0	0.062	0.13	0.18	0.22	0.35
HEXACHLORO-1,3-BUTADIENE	406	76.1	0.084	0.17	0.25	4.8	0.50	203	80.8	0.079	0.16	0.23	2.4	0.46
ISO-OCTANE	406	31.3	0.20	0.61	2.6	7.3	6.2	203	64.5	0.12	0.20	0.42	1.4	0.87
ISOPRENE	406	10.6	0.78	2.0	4.3	8.2	9.6	203	53.2	0.14	0.24	1.0	3.1	2.3
ISOPROPYLBENZENE	406	65.5	0.095	0.19	0.39	0.88	0.83	203	88.7	0.085	0.15	0.22	0.29	0.42
M,P-XYLENE	406	12.3	0.52	1.5	4.7	12	11	203	50.2	0.13	0.25	0.69	2.2	1.5
METHYL ETHYL KETONE	230	5.7	1.6	3.6	7.5	14	16	115	5.2	0.76	1.3	2.6	7.6	5.4
METHYL ISOBUTYL KETONE	230	44.8	0.13	0.33	0.7	2.0	1.5	115	74.8	0.089	0.14	0.24	0.86	0.47
METHYLCYCLOHEXANE	406	27.6	0.23	0.68	1.9	6.3	4.4	203	67.5	0.10	0.19	0.40	0.84	0.85
METHYLENE CHLORIDE	406	20.7	0.38	1.4	6.3	22	15	203	44.8	0.14	0.31	0.87	2.3	2.0
METHYLMETHACRYLATE	230	89.6	0.077	0.16	0.22	0.33	0.43	115	97.4	0.059	0.12	0.18	0.24	0.37
METHYL-tert-BUTYL ETHER	230	22.6	0.25	0.99	6.7	27	16	115	35.7	0.18	0.36	1	4.8	2.3
n-BUTYLBENZENE	406	54.9	0.11	0.23	0.49	1.2	1.1	203	82.8	0.078	0.15	0.24	0.38	0.47
n-DECANE	406	8.4	1.4	2.8	7.0	18	15	203	29.6	0.23	1.1	2.2	3.3	5.0
n-DODECANE	406	20.0	0.42	1.5	3.9	10	9.1	203	45.8	0.14	0.49	2.1	5.8	5.0
n-HEPTANE	406	4.2	1.0	2.8	7.7	19	18	203	28.6	0.22	0.53	1.3	3.6	3.0
n-HEXANE	406	11.1	0.63	1.7	6.5	19	15	203	32.5	0.20	0.49	1.1	2.9	2.5
n-NONANE	406	16.3	0.37	1.3	3.6	9.6	8.4	203	63.1	0.11	0.20	0.42	1.2	0.89
n-OCTANE	406	20.9	0.33	0.89	2.3	4.2	5.2	203	55.2	0.12	0.23	0.65	1.6	1.5
n-PROPYLBENZENE	406	51.0	0.13	0.25	0.69	1.8	1.5	203	88.2	0.060	0.14	0.21	0.34	0.44
n-UNDECANE	406	15	0.57	1.8	5.7	14	13	203	49.8	0.14	0.26	0.77	2.4	1.7
O-XYLENE	406	16.0	0.39	1.2	3.1	7.9	7.2	203	54.7	0.11	0.22	0.74	1.8	1.7
sec-BUTYLBENZENE	406	56.9	0.11	0.22	0.55	1.2	1.2	203	77.3	0.085	0.16	0.24	0.49	0.47
STYRENE	406	42.4	0.15	0.30	0.68	1.3	1.5	203	75.4	0.091	0.17	0.25	0.51	0.48
tert-BUTYLBENZENE	406	57.1	0.12	0.22	0.60	1.8	1.3	203	85.2	0.085	0.16	0.23	0.38	0.44
TETRACHLOROETHENE	406	44.3	0.13	0.34	1.2	2.9	2.7	203	70.9	0.087	0.18	0.34	0.81	0.72
TETRAHYDROFURAN	230	73.9	0.089	0.17	0.32	3.3	0.67	115	94.8	0.043	0.11	0.20	0.23	0.44
TOLUENE	406	2.2	4.2	9.9	25	59	56	203	2.5	0.68	1.4	3.3	8.4	7.2
TRANS-1,3-DICHLOROPROPENE	406	100.0	0.067	0.12	0.18	0.22	0.35	203	100.0	0.061	0.12	0.19	0.22	0.38
TRICHLOROETHENE	406	81.0	0.088	0.17	0.23	0.48	0.44	203	89.7	0.063	0.15	0.21	0.27	0.44
TRICHLOROFLUOROMETHANE	406	7.1	1.3	3.1	5.5	17	12	203	31.5	0.19	1.1	2.6	4.0	6.2
VINYL CHLORIDE	406	99.3	0.063	0.13	0.20	0.23	0.39	203	99.5	0.067	0.15	0.21	0.24	0.42

N: Total Number of Samples

ND(%): % of Nondetected

Upper Fen: 1.5 times the interquartile range (75th - 25th) above the 75th percentile value

Values less 0.25 were randomly generated for calculating descriptive statistics, and do not represent actual detected concentration.

ATTACHMENT 3

**ACTION LEVEL
DEVELOPMENT**

Action Level Development Procedure

Photoionization detector action levels were established in accordance with industry standard procedures for application of established exposure levels to chemical mixtures and where a selective method of detection is utilized. Development of a threshold limit value¹ for a chemical mixture (TLV_{mix}) is well documented and understood.² In order to utilize this formula, a steady state or known concentration percentage is necessary. Where percentages fluctuate widely, the identified TLV_{mix} would similarly fluctuate leading to difficulty in use. Here however, it is anticipated that the building will start with "typical" indoor air that could be modified by the introduction of MGP byproducts or other soil gas contamination which should be of a generally known concentration. Understanding both these starting and completion concentration percentages allows the application of the formula. Compounds with no established TLV are assigned the value an infinite value, essentially reducing that portion of the denominator to zero. Where X represents the percentage of any specific compound and TLV represents the exposure limit for the same compound this formula is:³

$$TLV_{mix} = \frac{1}{\frac{X_1}{TLV_1} + \frac{X_2}{TLV_2} + \frac{X_3}{TLV_3} + \dots + \frac{X_n}{TLV_n}}$$

PID manufacturers determine correction factors ("CF"), essentially instrument response factors, based upon a specific lamps (identified by lamp energy) ability to detect and respond to a specific chemical compound.⁴ The correction factor for the mixture is given in a calculation similar to the TLV formula.⁵ Where the compound is not detected by a given lamp energy, the CF may be essentially considered to be infinite, reducing that portion of the denominator to zero.

$$CF_{mix} = \frac{1}{\frac{X_1}{CF_1} + \frac{X_2}{CF_2} + \frac{X_3}{CF_3} + \dots + \frac{X_n}{CF_n}}$$

Similar to determining the actual value of any single compound, and here to determine the PID reading corresponding to the calculated TLV (TLV_{PID}), is found by dividing the TLV by the CF.⁶

$$TLV_{PID} = \frac{TLV_{mix}}{CF_{mix}}$$

¹ Threshold limit value (TLV) shall be utilized herein to identify an established occupational exposure standard. Permissible exposure level (PEL) or recommended exposure limit (REL) could be similarly utilized.

² See AMERICAN COUNCIL OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, THRESHOLD LIMIT VALUES & BIOLOGICAL EXPOSURE INDICES 71-73 (2002).

³ *Id.*

⁴ See RAE SYSTEMS, TN-106 CORRECTION FACTORS, IONIZATION ENERGIES, AND CALIBRATION CHARACTERISTICS (May 2004).

⁵ RAE SYSTEMS, TN-130 SETTING ALARM LIMITS FOR MIXTURES 1 (Dec. 1997).

⁶ *Id.*

Specifically as applied to the current situation, EMTEQUE utilized the NYSDOH 90th percentile indoor air quality data (see Attachment 2) along with both the Occupational Safety and Health Administration PELs and American Council of Governmental Industrial Hygienist TLVs. Utilizing this data EMTEQUE obtained the values of 36.8 and 19.1 ppm, respectively. A spreadsheet outlining this data and calculations is included within this Attachment.

In order to determine the similar values for "modified" air (the composition of the air after an intrusion of air containing volatile organic compounds), EMTEQUE considered the NYSDOH indoor air data discussed above along with the additional levels of compounds presented by the Building Owner's consultant from one indoor air sample along with Con Edison's soil gas sampling. This data represents the totality of the very limited data available prior to EMTEQUE's proposed sampling. From this constructed indoor air data, EMTEQUE calculated the values of 21.6 and 10.8 ppm, representing the TLV_{PID} reading for the PEL and TLV, respectively.

For purposes of establishing Action Level 1, EMTEQUE anticipates that typical indoor air is being represented and as such, EMTEQUE utilized the non-modified air calculation. Since indoor air quality standards in non-industrial environments do not typically exist, ten percent of the PEL is sometimes recommended. This equates to 3.6 ppm, which EMTEQUE believes should be generally achievable in indoor air and is an acceptable level to start additional investigation(s).

In order to establish Action Level 2, EMTEQUE anticipated that airborne concentrations would be at some point between non-modified and modified indoor air. As such, EMTEQUE averaged the modified and non-modified indoor air values identified above. As Action Level 2 is the lower of the two middle levels, EMTEQUE utilized the more restrictive TLV identified mixture values for use in this calculation. In order to allow for time to respond and correct problems prior to reaching the average TLV value, EMTEQUE utilized a value equal to 50% of the average value determined above. Utilizing the 19.1 and 10.8 ppm values, 50% of the average is 7.5 ppm.

Action Level 3 was determined in an identical manner to Action Level 2 with the exception that the less restrictive PEL values were utilized. Similar to Action Level 2, a value equal to 50% of the PEL average value was determined as the Action Level. Utilizing the 36.8 and 21.6 ppm values, 50% of the average is 14.6 ppm.

Action Level 4 is considered to be worst case in that the indoor has become "modified". Achievement of the OSHA PEL in a work environment for certain specified periods of time typically only trigger additional requirements (e.g., medical surveillance, respiratory protection, etc.) and not removal from the work area. As a very conservative approach, EMTEQUE has utilized this "modified" air PEL value as the Action Level for removal from the work place. This value is the 21.6 ppm value obtained.

	Occupational Standards			Compound		RAE PID CF (10.6eV)	NYSDOH				Created							
	PEL (ppm)	TLV (ppm)	IE	MW	Outdoor (90)		Indoor (90)	Outdoor (ppm)	Indoor (ppm)	Outdoor %	Indoor %	IA PEL Frac	IA TLV Frac	CF Frac	ppm	%	PEL Frac	TLV Frac
1,1,1-Trichloroethane	350	350	11	133.42	0.6	3.5	0.000110	0.000641	0.001450	0.000657	0.000002	0.000002		0.000641	0.000243	0.000001	0.000001	
1,1,2,2-Tetrachloroethane	5	1	11.1	167.86	0.23	0.23	0.000034	0.000034	0.000442	0.000034	0.000007	0.000034		0.000034	0.000013	0.000003	0.000013	
1,1,2-Trichloroethane	10	10	11	133.41	0.22	0.24	0.000040	0.000044	0.000532	0.000045	0.000005	0.000005		0.000044	0.000017	0.000002	0.000002	
1,1-Dichloroethane	100	100		98.97	0.22	0.23	0.000054	0.000057	0.000717	0.000058	0.000001	0.000001		0.000057	0.000022	0.000000	0.000000	
1,2,3-Trimethylbenzene	25 all	25 all		120.19	0.35	2.7	0.000110	0.000549	0.001448	0.000563	0.000023	0.000023	0.001609	0.000549	0.000208	0.000008	0.000008	0.000596
1,2,4-Trichlorobenzene	5 C	5 C	9.04	181.46	0.46	3	0.000310	0.000404	0.004086	0.000414	0.000083	0.000083	0.000901	0.000404	0.000153	0.000031	0.000031	0.000334
1,2,4-Trimethylbenzene	25 all	25 all		120.19	0.35	11	0.000448	0.002238		0.002294	0.000092	0.000092		0.002238	0.000849	0.000034	0.000034	0.002427
1,2-Dibromoethane	20		10.37	187.88	1.7	0.23	0.000031	0.000030	0.000031	0.000031	0.000002	0.000002		0.000030	0.000011	0.000001	0.000001	0.000007
o-Dichlorobenzene	50 C	25	9.08	147.01	0.47	0.66	0.000110	0.000130	0.000130	0.000133	0.000003	0.000003		0.000130	0.000049	0.000001	0.000002	0.000105
1,2-Dichloroethane	50	10	11.04	98.96		0.22	0.000054	0.000054	0.000056	0.000056	0.000001	0.000001		0.000054	0.000021	0.000000	0.000002	
1,2-Dichloropropane	75	75	10.87	112.99		0.23	0.000050	0.000052	0.000053	0.000053	0.000001	0.000001		0.000052	0.000020	0.000000	0.000000	
1,3,5-Trimethylbenzene	25 all	25 all	8.41	120.19	0.35	3.8	0.000169	0.000773		0.000792	0.000032	0.000032		0.000773	0.000293	0.000012	0.000012	0.000838
p-Dichlorobenzene	75	10	147.01		0.5	0.66	0.000110	0.000216		0.000222	0.000003	0.000003		0.000216	0.000082	0.000001	0.000008	0.000164
Acetone	1000	500	9.71	58.05	1.1	53	0.022323	0.046331	0.294291	0.047492	0.000047	0.000047		0.046331	0.017586	0.000018	0.000035	0.015987
alpha-pinene	1	0.5	8.07	136.24	0.31	2.6	0.000467	0.003051		0.003127	0.000013	0.000013		0.003051	0.001158	0.000005	0.000058	0.003736
Carbon Tetrachloride	10	5	11.47	153.84	0.53	5.2	0.001628	0.004695		0.004813	0.000014	0.000014		0.004695	0.035944	0.000005	0.000010	0.067818
Chlorobenzene	75	10	9.06	112.56	0.4	0.23	0.000050	0.000050	0.000051	0.000051	0.000001	0.000001		0.000050	0.000019	0.000000	0.000002	0.000047
Chloroethane	1000	100	10.97	64.52		0.24	0.000091	0.000095	0.000097	0.000097	0.000000	0.000000		0.000095	0.000036	0.000000	0.000000	
Chloroform	50 C	10	11.37	119.38		0.44	0.000090	0.000287	0.000294	0.000294	0.000006	0.000006		0.000287	0.000109	0.000002	0.000011	
Cyclohexane	300	100	9.86	84.16	1.4	2.2	0.000639	0.002644	0.002710	0.002710	0.000009	0.000009		0.002644	0.380574	0.001269	0.003806	0.271839
DichloroDifluoromethane	1000	1000	11.75	120.91		7.7	0.001557	0.003033	0.003109	0.003109	0.000003	0.000003		0.003033	0.001151	0.000001	0.000001	
Ethyl Alcohol	1000	1000	10.47	46.07	10	67	0.035558	0.849143	0.468771	0.870419	0.000870	0.000870		0.849143	0.322310	0.000322	0.000322	0.032231
Ethyl Benzene	100	100	8.77	106.16	0.52	1.2	0.000276	0.001681		0.001723	0.000017	0.000017		0.005681	0.021135	0.000211	0.000211	0.040644
iso-Octane	300	100	9.86	114.22	1.2	7.3	0.000300	0.001563		0.001602	0.000005	0.000005		0.001335	0.000593	0.000002	0.000002	0.000494
m-Xylene	100	100	8.56	106.16	0.43	2.2	0.000507	0.002764		0.002833	0.000028	0.000028		0.001563	0.000595	0.000001	0.000001	0.000494
p-Xylene	100	100	8.44	106.16	0.45		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000		0.127764	0.048495	0.000485	0.000485	0.112780
MEK	200	200	9.51	72.1	0.9	14	0.002577	0.004748	0.033977	0.004867	0.000024	0.000024		0.004748	0.001802	0.000009	0.000009	0.105436
Methyl Isobutyl Ketone	100	50	9.3	100.16	0.8	0.86	0.000210	0.000488		0.000500	0.000005	0.000005		0.004748	0.001802	0.000009	0.000009	0.002002
Methylcyclohexane	500	400	9.64	98.19	0.97	6.3	0.000209	0.001569		0.001608	0.000003	0.000003		0.000488	0.000185	0.000002	0.000004	0.000232
Methylene Chloride	25	50	11.32	94.93		2.3	0.000592	0.005666		0.005808	0.000232	0.000232		0.001569	0.000595	0.000001	0.000001	0.000614
Methyl Methacrylate	100	50	9.7	100.13	1.5	0.24	0.000059	0.000081		0.000083	0.000001	0.000001		0.005666	0.002151	0.000086	0.000043	
MTBE	50	50	9.24	88.17	0.9	4.8	0.001331	0.007487	0.017548	0.007675	0.000153	0.000153		0.000081	0.000031	0.000000	0.000001	0.000020
Heptane	500	400	9.92	100.2	2.8	3.6	0.000878	0.004636	0.011581	0.004752	0.000010	0.000010		0.007487	0.002842	0.000057	0.000057	0.003158
Hexane	500	50	10.13	86.18	4.3	2.9	0.000823	0.005390	0.010847	0.005526	0.000011	0.000011		0.004636	0.001760	0.000004	0.000004	0.000628
Nonane	200	200	9.72	128.26	1.4	1.2	0.000239	0.001830		0.001876	0.000009	0.000009		0.005390	0.002046	0.000004	0.000004	0.000476
n-Octane	500	300 all	9.82	114.22	1.8	1.6	0.000342	0.000899		0.000922	0.000002	0.000002		0.001830	0.000695	0.000003	0.000003	0.000496
o-Xylene	100	100	8.56	106.16	0.59	0.34	0.000078	0.001819		0.001865	0.000019	0.000019		0.000899	0.000341	0.000001	0.000001	0.000190
Styrene (monomer)	100	20	8.43	104.16	0.4	0.51	0.000120	0.000305		0.000313	0.000003	0.000003		0.126819	0.048137	0.000481	0.000481	0.081588
Tetrahydrofuran	200	50 NIC	9.41	72.1	1.7	0.23	0.000078	0.001119		0.000313	0.000003	0.000003		0.000305	0.000116	0.000001	0.000006	0.000290
Toluene	200	50	8.82	92.13	0.5	8.4	0.002229	0.015658	0.029389	0.016050	0.000080	0.000080		0.001119	0.000425	0.000002	0.000008	0.000250
1,3-Dichloropropene	1	1	< 10	110.98	0.96	0.22	0.000048	0.000048	0.000639	0.000050		0.000050		0.000048	0.000018	0.000018	0.000018	0.000019
isopentane	1000	600		72	8.2									0.010000	0.003796	0.000004	0.000006	0.000463
Trichlorofluoromethane	1000	1000 C		137.38		4	0.000712	0.003026		0.003101	0.000003	0.000003		0.003026	0.001148	0.000001	0.000001	
Vinyl Chloride	1	1	9.99	62.5	2	0.24	0.000094	0.000090		0.000092	0.000092	0.000092		0.000090	0.000034	0.000034	0.000034	0.000017

Total PPMs

0.075853

0.975556

0.006323

158.14239

0.012164

0.039647

0.079244

0.856500

25.22260295

12.6192

1.167543

36.8

4.29773

19.1

21.6

10.8

Not Detected with 10.6 eV lamp
Provided by RAE Systems

Not Detected with 10.6 eV lamp
Provided by RAE Systems



Addendum to Revised Volatile Organic Compounds Air Sampling Work Plan, dated January 3, 2005

This Addendum is intended to provide clarification and detail, not to modify the previously established scope of work, to the previously issued revised Volatile Organic Compound Air Sampling Work Plan ("Work Plan"), dated January 3, 2005 and submitted to New York State Department of Environmental Conservation ("NYSDEC") and New York State Department of Health ("NYSDOH") January 13, 2005, for the sampling and monitoring work to be performed in the Gasser Building. NYSDEC and NYSDOH verbally approved this Work Plan on January 14, 2005.

The work described in the Work Plan is intended to be performed with as little disruption as possible to the current Gasser Building commercial activities. All work will be performed by EMTEQUE personnel or other authorized representatives and may be coordinated with the Gasser Building commercial activities in order to achieve this goal of minimal interruption.

As identified in Section 3.2, Action Level 2 includes ventilation within the Gasser Building. As described above, this work is intended to be performed with as minimal an interruption to building commercial activities as possible. Pedestal, box, or other approved fans may be utilized for this ventilation purpose. Where possible these fans should direct air either from or into the building. This will be performed in a manner that attempts to minimize affecting the buildings temperature to the extent that this would adversely affect building occupants. Similarly, placement and use of the fans will be performed in a manner that attempts to minimize disrupting the occupant's use of the space. In the event that the Action Level 2 remedial measures are deemed too disruptive of commercial activities, the CIH may consider implementation of Action Level 3 remedial measures.

It is also expected that the purpose of the ventilation would be to mitigate any sources of vapors identified during the initial Action Level 1 investigation. An example of this would be that ventilation of the entire building may not be initiated where only the monitoring station on the first floor identifies any observed levels. As the exact building conditions and placement of the PIDS cannot be predicted in detail, this Action Level response, along with the other Action Level responses, will be performed utilizing professional judgment and general industrial hygiene procedures.

As identified in Section 3.1, the equipment to be utilized for monitoring within the building will be radio transmitter equipped and, as such, will report back to a computerized monitoring station located at an off-site location. This computer will be equipped with telephone and internet access in order to immediately notify personnel of action level exceedances. It is expected that at least initially, EMTEQUE would have a full site person during the hours of construction activities. This EMTEQUE employee along with the CIH would both be notified by the computer. At least one of the notified individuals will also be a Turner representative. The on-site personnel shall be responsible for the immediate response to the detected Action Level. This computer will also perform the required datalogging. Due to the length of time that this equipment will be in operation, it



is anticipated that remote access will be enabled to allow the CIH instant access to the recorded information and current conditions.

As identified in Action Level 1, the construction site activities will be considered for their potential to impact any observed volatile organic measurements. As identified in Section 3.5, a log will be completed when responding to action level exceedances. EMTEQUE personnel, or an authorized representative, will complete these logs, which will include descriptions of actual site activities around the time of the exceedance(s). This work will be included in the log and the completed report, as discussed in Section 3.5.

As detailed in Section 4, first floor cracks and openings are expected to be identified and sealed as soon as possible upon being provided access to the Gasser Building. As detailed in Section 4.1.2, EMTEQUE expects to perform an inspection that will identify building conditions along with potentials for air pathways and contaminant transfer.

As identified in Section 8, EMTEQUE will recommend additional mitigation measures, based upon EMTEQUE's inspection, observations, monitoring, and sampling results, with the understanding that the watertight steel sheet piling will be installed, which will act as a separation barrier between the Gasser Building and construction site subsurfaces. Any proposed recommendations will be discussed with the NYSDEC and/or NYSDOH.

As identified in Section 3.2, the Action Levels may be modified by the CIH based upon additional testing data and in consultation with DEC, DOH and Ken Skipka. As noted in Attachment 3, minimal information is currently available concerning the composition of "modified" air. In following the standard methodology as outlined in Attachment 3, this additional data would not affect Action Level 1, which was established utilizing the NYSDOH historical values. As identified in Attachment 3, the current consideration as to the composition of "modified" air is based upon Consolidated Edison's soil gas data along with the single sample provided by RTP Environmental Associates, Inc. As additional laboratory data becomes available during the course of this work, a more refined view of the actual composition of "modified" air will be developed and utilized in accordance with the methodology set forth in Attachment 3.

As identified in Section 3.2, Action Level 1 would trigger the commencement of investigative activities directed towards determining the source of the observed monitoring level along with potential pathways. This investigation will be conducted in accordance with general industrial hygiene principles. This investigation may include, but is not limited to: use of a handheld PID, visual investigation (including local area, adjacent areas, construction site, etc.), interview personnel, observe construction work activities, use of smoke stick or other visual means to determine airflows, and use of a pressure monitor or other means to determine pressure differentials. The means and methods of investigation will be at the discretion of the CIH and will be documented in the findings that will be included within the final report.

As identified in Section 3.2, the mitigation activities described by each Action Level may be performed prior to achievement of the Action Level. The performance of these



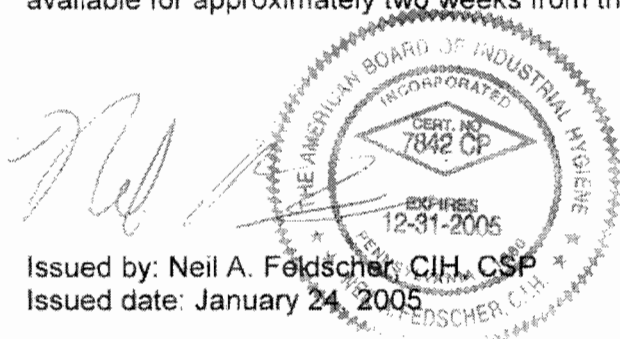
EMTEQUE

proactive measures will be at the discretion of the CIH. Where prior performance occurs, this shall be logged similar to the logging of actual Action Level responses.

All inspection, monitoring, and sampling work described within the work plan will be performed or directed by the CIH. It is expected that EMTEQUE personnel will perform the majority of the required work.

Section 3's monitoring program would be immediately implemented following notification of permission to enter the Gasser Building.

After successful installation of the monitoring equipment as described in Section 3, the inspection and air sampling described in Section 4 would commence. The described sampling would occur over the course of two days. Analytical data is not expected to be available for approximately two weeks from the completion of the sampling.



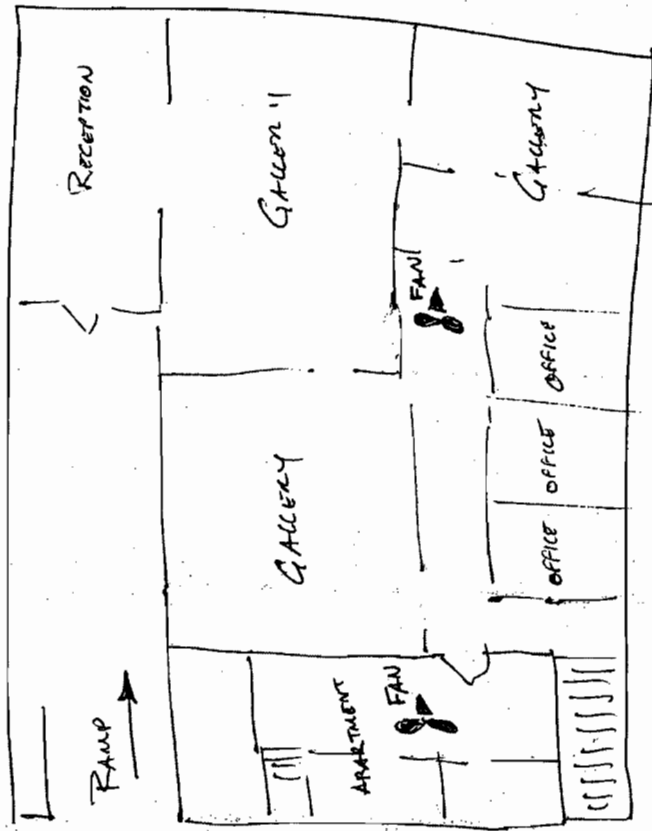
Issued by: Neil A. Feldscher, CIH, CSP
Issued date: January 24, 2005

APPENDIX B

**FLOOR CRACK
SURVEY DIAGRAMS**

ALMEID KHALAF TECO





CASSEL BUILDING
2ND FLOOR

APPENDIX C

PID LOCATION DRAWINGS



EMTEQUE Corporation
Environmental
Engineering & Consulting

505 Eighth Avenue, Suite 900
New York, N.Y. 10018
Tel: (212) 631-9000
Fax: (212) 631-8066
E-MAIL: info@emteque.com

REV.	DATE	REMARK FOR
CLIENT / OWNER		

**Turner Construction
375 Hudson Street
6th Floor
New York, NY 10014**

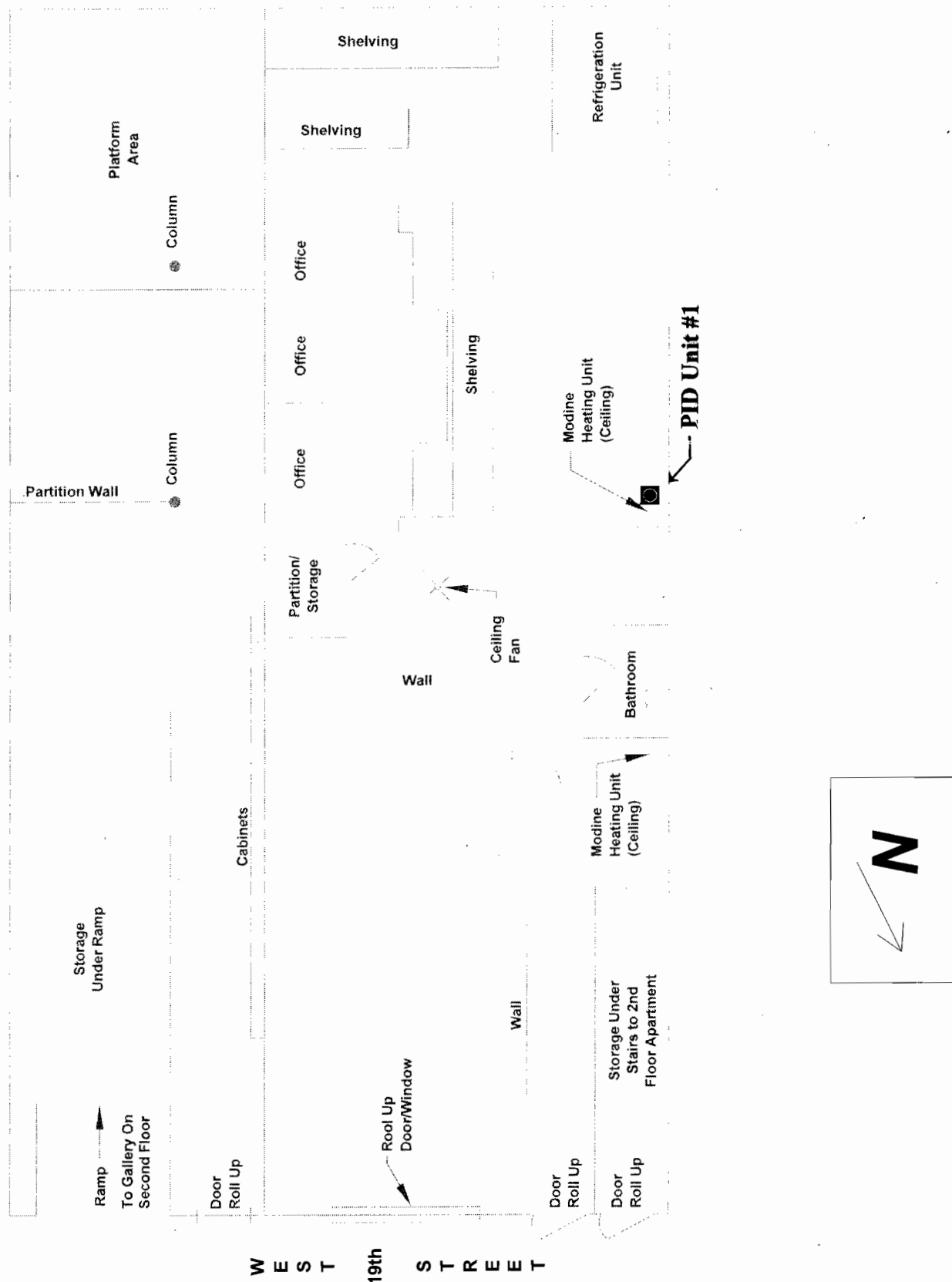
PROJECT LOCATION

**Gasser Building
524 W 19th Street
New York, NY 10011**

THE COMPANY

Photoionization Detector Locations

DATE	5/27/05	SCALE	NTS
PROJECT NO.		04-2147	
DESIGN BY	NAF	CHECKED BY	
DRAWING NO.		PID-1	
		REV.	
		BY	





EMTEQUE

EMTEQUE Corporation
Environmental
Engineering & Consulting
505 Eighth Avenue, Suite 900
New York, N.Y. 10018
Tel: (212) 631-9000
Fax: (212) 631-8066
E-MAIL: info@emteque.com

DATE	TIME	NAME	PHONE

Client/Address

Turner Construction
375 Hudson Street
6th Floor
New York, NY 10014

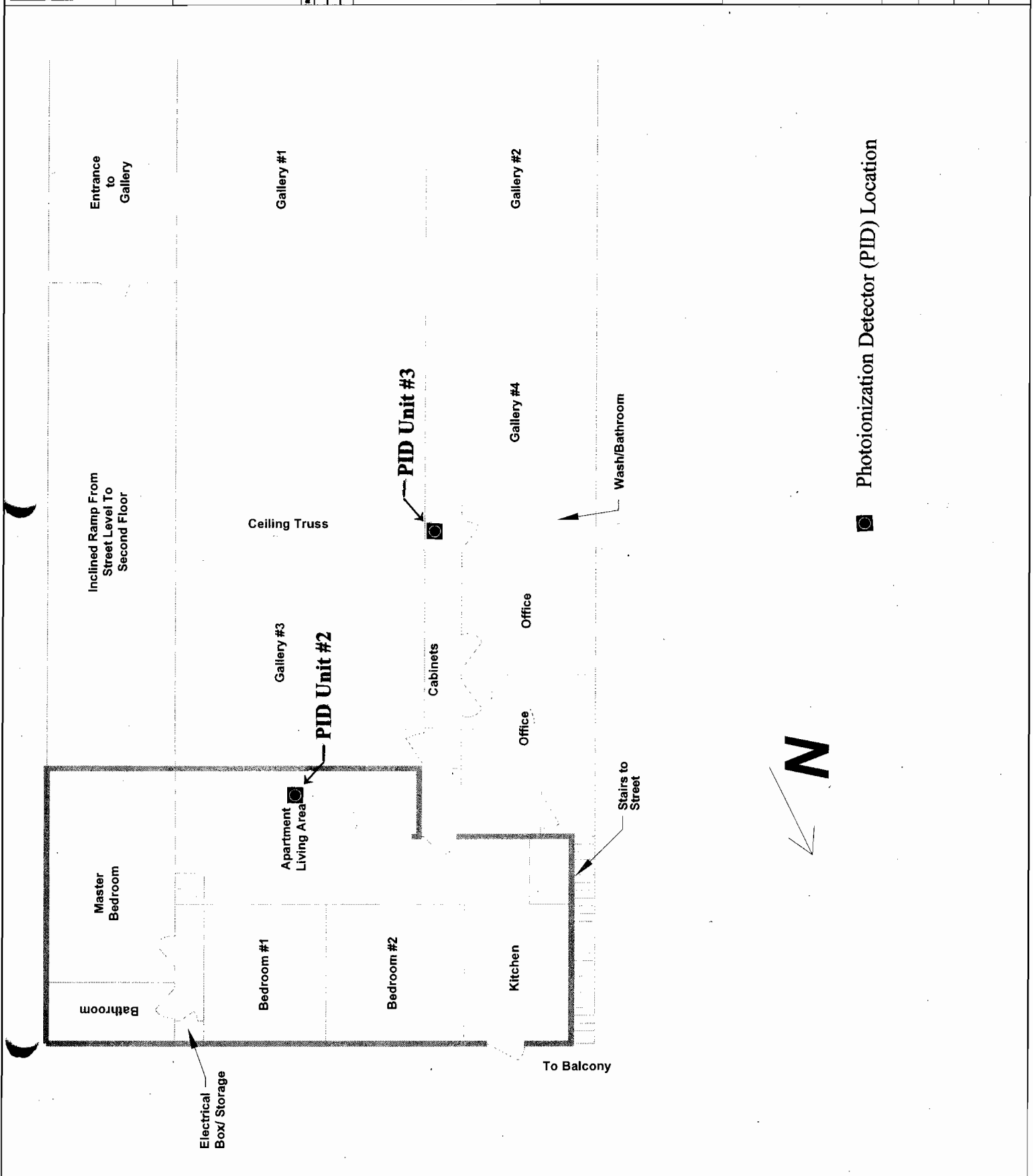
PROJECT LOCATION

Gasser Building
524 W 19th Street
New York, NY 10011

DETECTORS TITLE

**Photoionization
Detector Locations**

DATE	SCALE	NTS
5/27/05		
PROJECT NO.		
04-2147		
DESIGNED BY	CHECKED BY	
NAF		
DRAWING NO.	PID-2	



APPENDIX D
ANALYSIS OF GRAB SAMPLE
ON
JANUARY 31, 2005



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020

Hours 8:00 A.M to 6:00 P.M. Pacific

E-mail to: samplereceiving@airtoxics.com

WORK ORDER #: 0502013

Work Order Summary

CLIENT:	Mr. Neil Feldscher Emteque Corporation 508 8th Avenue Suite 900 New York, NY 10018	BILL TO:	Mr. Neil Feldscher Emteque Corporation 508 8th Avenue Suite 900 New York, NY 10018
PHONE:	212-631-9000	P.O. #	
FAX:	212-631-8066	PROJECT #	04-3147 Turner- 19th St. Site
DATE RECEIVED:	02/01/2005	CONTACT:	Ausha Scott
DATE COMPLETED:	02/02/2005		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	NAF-013105-PID1-1	Modified TO-15/TICs	1.5 "Hg
01AA	NAF-013105-PID1-1 Duplicate	Modified TO-15/TICs	1.5 "Hg
02A	Lab Blank	Modified TO-15/TICs	NA
03A	CCV	Modified TO-15/TICs	NA
04A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:



Laboratory Director

DATE: 02/02/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Emteque Corporation
Workorder# 0502013

One 6 Liter Summa Special (100% Certified) sample was received on February 01, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
BFB acceptance criteria	CLP protocol (TO-15)	SW-846 protocol
Concentration of IS spike	10 ppbv (TO-15)	25 ppbv
Dilutions for initial calibration	Dynamic dilutions or static using canisters	Syringe dilutions
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference with two allowed out up to $\leq 40\%$; flag and narrate outliers
Primary ions for Quantification	Freon 114: 85, Carbon Tetrachloride: 117, Trichloroethene: 130, Ethyl Benzene, m,p- and o-Xylene: 91, Vinyl Acetate: 43, 2-Butanone: 43, 4-Methyl-2-Pentanone: 43.	Freon 114: 135, Carbon Tetrachloride: 119, Trichloroethene: 95, Ethyl Benzene, m,p- and o-Xylene: 106, Vinyl Acetate: 86, 2-Butanone: 72, 4-Methyl-2-Pentanone: 58.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Sample Drying System	Nafion Dryer (TO-14A)	Multisorbent
Sample Load Volume	400 mL (TO-14A)	Varied to 0.2 L.
Blank Acceptance Criteria.	< 0.20 ppbv (TO-14A)	$< \text{RL}$
BFB Absolute Abundance Criteria (TO-14A)	Within 10% of that from the previous day.	CCV internal standard area counts are compared to ICAL, corrective action for $> 40\%$ D.
Initial Calibration	$\leq 30\%$ RSD (TO-14A)	$\leq 30\%$ RSD with 2 compounds allowed out to $\leq 40\%$ RSD.
IS Recoveries	Within 40% of mean over ICAL for blanks, and within 40 % of daily CCV for samples. (TO-15)	Within 40% of CCV recoveries for blank and samples.

Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases. A list of these compounds is available.
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Receiving Notes

The Chain of Custody was missing method information or contained incorrect method information. ATL proceeded with the analysis as per the original contract or verbal agreement.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one individual analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated Peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: NAF-013105-PID1-1

ID#: 0502013-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020209	Date of Collection:	1/31/05
Dil. Factor:	11.3	Date of Analysis:	2/2/05 03:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	5.6	Not Detected	28	Not Detected
Freon 114	5.6	Not Detected	39	Not Detected
Chloromethane	23	Not Detected	47	Not Detected
Vinyl Chloride	5.6	Not Detected	14	Not Detected
1,3-Butadiene	5.6	Not Detected	12	Not Detected
Bromomethane	5.6	Not Detected	22	Not Detected
Chloroethane	5.6	Not Detected	15	Not Detected
Freon 11	5.6	Not Detected	32	Not Detected
Ethanol	23	58	42	110
Freon 113	5.6	Not Detected	43	Not Detected
1,1-Dichloroethene	5.6	Not Detected	22	Not Detected
Acetone	23	32	54	75
2-Propanol	23	Not Detected	56	Not Detected
Carbon Disulfide	5.6	Not Detected	18	Not Detected
Methylene Chloride	5.6	Not Detected	20	Not Detected
Methyl tert-butyl ether	5.6	Not Detected	20	Not Detected
trans-1,2-Dichloroethene	5.6	Not Detected	22	Not Detected
Hexane	5.6	41	20	140
1,1-Dichloroethane	5.6	Not Detected	23	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.6	Not Detected	17	Not Detected
cis-1,2-Dichloroethene	5.6	Not Detected	22	Not Detected
Tetrahydrofuran	5.6	Not Detected	17	Not Detected
Chloroform	5.6	Not Detected	28	Not Detected
1,1,1-Trichloroethane	5.6	Not Detected	31	Not Detected
Cyclohexane	5.6	66	19	230
Carbon Tetrachloride	5.6	Not Detected	36	Not Detected
Benzene	5.6	960	18	3100
1,2-Dichloroethane	5.6	Not Detected	23	Not Detected
Heptane	5.6	47	23	190
Trichloroethene	5.6	Not Detected	30	Not Detected
1,2-Dichloropropane	5.6	Not Detected	26	Not Detected
1,4-Dioxane	23	Not Detected	81	Not Detected
Bromodichloromethane	5.6	Not Detected	38	Not Detected
cis-1,3-Dichloropropene	5.6	Not Detected	26	Not Detected
4-Methyl-2-pentanone	5.6	Not Detected	23	Not Detected
Toluene	5.6	240	21	900
trans-1,3-Dichloropropene	5.6	Not Detected	26	Not Detected
1,1,2-Trichloroethane	5.6	Not Detected	31	Not Detected
Tetrachloroethene	5.6	Not Detected	38	Not Detected
2-Hexanone	23	Not Detected	92	Not Detected
Dibromochloromethane	5.6	Not Detected	48	Not Detected
1,2-Dibromoethane (EDB)	5.6	Not Detected	43	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: NAF-013105-PID1-1

ID#: 0502013-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020209	Date of Collection:	1/31/05
Dil. Factor:	11.3	Date of Analysis:	2/2/05 03:24 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chlorobenzene	5.6	Not Detected	26	Not Detected
Ethyl Benzene	5.6	160	24	720
m,p-Xylene	5.6	180	24	760
o-Xylene	5.6	44	24	190
Styrene	5.6	Not Detected	24	Not Detected
Bromoform	5.6	Not Detected	58	Not Detected
1,1,2,2-Tetrachloroethane	5.6	Not Detected	39	Not Detected
4-Ethyltoluene	5.6	19	28	93
1,3,5-Trimethylbenzene	5.6	7.7	28	38
1,2,4-Trimethylbenzene	5.6	10	28	50
1,3-Dichlorobenzene	5.6	Not Detected	34	Not Detected
1,4-Dichlorobenzene	5.6	Not Detected	34	Not Detected
alpha-Chlorotoluene	5.6	Not Detected	29	Not Detected
1,2-Dichlorobenzene	5.6	Not Detected	34	Not Detected
1,2,4-Trichlorobenzene	23	Not Detected	170	Not Detected
Hexachlorobutadiene	23	Not Detected	240	Not Detected
2,2,4-Trimethylpentane	5.6	Not Detected	26	Not Detected
Isopentane	23	26	67	76
2-Methylpentane	23	42	80	150
Naphthalene	23	Not Detected	120	Not Detected
Propylene	23	Not Detected	39	Not Detected
Thiophene	23	Not Detected	78	Not Detected
Indene	23	Not Detected	110	Not Detected
Indan	23	Not Detected	110	Not Detected
2,3-Dimethylpentane	23	88	93	360

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Cyclopentane, 1,1,3-trimethyl-	4516-69-2	81%	300 N J
Cyclohexane, methyl-	108-87-2	80%	390 N J
Cyclopentane, 1,2,4-trimethyl-, (1.alpha	4850-28-6	91%	300 N J
Cyclopentane, 1,2,3-trimethyl-	2815-57-8	90%	350 N J
Cyclohexane, 1,3-dimethyl-, trans-	2207-03-6	93%	450 N J
Cyclohexane, 1,1,3-trimethyl-	3073-66-3	90%	930 N J
Unknown	NA	NA	450 J
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	72%	310 N J
Unknown	NA	NA	470 J
Cyclopropane, 1-butyl-2-(2-methylpropyl)	41977-35-9	64%	340 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: NAF-013105-PID1-1

ID#: 0502013-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020209	Date of Collection:	1/31/05
Dil. Factor:	11.3	Date of Analysis:	2/2/05 03:24 PM

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	109	70-130

AIR TOXICS LTD.

SAMPLE NAME: NAF-013105-PID1-1 Duplicate

ID#: 0502013-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020210	Date of Collection:	1/31/05
Dil. Factor:	11.3	Date of Analysis:	2/2/05 04:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	5.6	Not Detected	28	Not Detected
Freon 114	5.6	Not Detected	39	Not Detected
Chloromethane	23	Not Detected	47	Not Detected
Vinyl Chloride	5.6	Not Detected	14	Not Detected
1,3-Butadiene	5.6	Not Detected	12	Not Detected
Bromomethane	5.6	Not Detected	22	Not Detected
Chloroethane	5.6	Not Detected	15	Not Detected
Freon 11	5.6	Not Detected	32	Not Detected
Ethanol	23	61	42	120
Freon 113	5.6	Not Detected	43	Not Detected
1,1-Dichloroethene	5.6	Not Detected	22	Not Detected
Acetone	23	32	54	76
2-Propanol	23	Not Detected	56	Not Detected
Carbon Disulfide	5.6	Not Detected	18	Not Detected
Methylene Chloride	5.6	Not Detected	20	Not Detected
Methyl tert-butyl ether	5.6	Not Detected	20	Not Detected
trans-1,2-Dichloroethene	5.6	Not Detected	22	Not Detected
Hexane	5.6	42	20	150
1,1-Dichloroethane	5.6	Not Detected	23	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.6	Not Detected	17	Not Detected
cis-1,2-Dichloroethene	5.6	Not Detected	22	Not Detected
Tetrahydrofuran	5.6	Not Detected	17	Not Detected
Chloroform	5.6	Not Detected	28	Not Detected
1,1,1-Trichloroethane	5.6	Not Detected	31	Not Detected
Cyclohexane	5.6	69	19	240
Carbon Tetrachloride	5.6	Not Detected	36	Not Detected
Benzene	5.6	1000	18	3300
1,2-Dichloroethane	5.6	Not Detected	23	Not Detected
Heptane	5.6	49	23	200
Trichloroethene	5.6	Not Detected	30	Not Detected
1,2-Dichloropropane	5.6	Not Detected	26	Not Detected
1,4-Dioxane	23	Not Detected	81	Not Detected
Bromodichloromethane	5.6	Not Detected	38	Not Detected
cis-1,3-Dichloropropene	5.6	Not Detected	26	Not Detected
4-Methyl-2-pentanone	5.6	Not Detected	23	Not Detected
Toluene	5.6	250	21	960
trans-1,3-Dichloropropene	5.6	Not Detected	26	Not Detected
1,1,2-Trichloroethane	5.6	Not Detected	31	Not Detected
Tetrachloroethene	5.6	Not Detected	38	Not Detected
2-Hexanone	23	Not Detected	92	Not Detected
Dibromochloromethane	5.6	Not Detected	48	Not Detected
1,2-Dibromoethane (EDB)	5.6	Not Detected	43	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: NAF-013105-PID1-1 Duplicate

ID#: 0502013-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020210	Date of Collection:	1/31/05
Dil. Factor:	11.3	Date of Analysis:	2/2/05 04:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chlorobenzene	5.6	Not Detected	26	Not Detected
Ethyl Benzene	5.6	180	24	760
m,p-Xylene	5.6	190	24	810
o-Xylene	5.6	46	24	200
Styrene	5.6	Not Detected	24	Not Detected
Bromoform	5.6	Not Detected	58	Not Detected
1,1,2,2-Tetrachloroethane	5.6	Not Detected	39	Not Detected
4-Ethyltoluene	5.6	20	28	100
1,3,5-Trimethylbenzene	5.6	8.1	28	40
1,2,4-Trimethylbenzene	5.6	11	28	56
1,3-Dichlorobenzene	5.6	Not Detected	34	Not Detected
1,4-Dichlorobenzene	5.6	Not Detected	34	Not Detected
alpha-Chlorotoluene	5.6	Not Detected	29	Not Detected
1,2-Dichlorobenzene	5.6	Not Detected	34	Not Detected
1,2,4-Trichlorobenzene	23	Not Detected	170	Not Detected
Hexachlorobutadiene	23	Not Detected	240	Not Detected
2,2,4-Trimethylpentane	5.6	Not Detected	26	Not Detected
Isopentane	23	26	67	77
2-Methylpentane	23	44	80	160
Naphthalene	23	Not Detected	120	Not Detected
Propylene	23	Not Detected	39	Not Detected
Thiophene	23	Not Detected	78	Not Detected
Indene	23	Not Detected	110	Not Detected
Indan	23	Not Detected	110	Not Detected
2,3-Dimethylpentane	23	94	93	390

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Cyclopentane, 1,1,3-trimethyl-	4516-69-2	70%	310 N J
Cyclohexane, methyl-	108-87-2	80%	400 N J
Cyclopentane, 1,2,4-trimethyl-, (1.alpha	4850-28-6	91%	320 N J
Cyclopentane, 1,2,3-trimethyl-, (1.alpha	15890-40-1	91%	370 N J
Cyclohexane, 1,3-dimethyl-, trans-	2207-03-6	93%	480 N J
Cyclohexane, 1,1,3-trimethyl-	3073-66-3	90%	970 N J
Unknown	NA	NA	460 J
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	72%	330 N J
Unknown	NA	NA	500 J
Unknown	NA	NA	360 J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: NAF-013105-PID1-1 Duplicate

ID#: 0502013-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020210	Date of Collection:	1/31/05
Dil. Factor:	11.3	Date of Analysis:	2/2/05 04:11 PM

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	110	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502013-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020208	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 02:39 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502013-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020208	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 02:39 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Isopentane	2.0	Not Detected	5.9	Not Detected
2-Methylpentane	2.0	Not Detected	7.0	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
Propylene	2.0	Not Detected	3.4	Not Detected
Thiophene	2.0	Not Detected	6.9	Not Detected
Indene	2.0	Not Detected	9.5	Not Detected
Indan	2.0	Not Detected	9.7	Not Detected
2,3-Dimethylpentane	2.0	Not Detected	8.2	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	112	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502013-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020205	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 12:30 PM

Compound	%Recovery
Freon 12	102
Freon 114	96
Chloromethane	120
Vinyl Chloride	114
1,3-Butadiene	100
Bromomethane	94
Chloroethane	101
Freon 11	95
Ethanol	104
Freon 113	98
1,1-Dichloroethene	103
Acetone	102
2-Propanol	108
Carbon Disulfide	93
Methylene Chloride	108
Methyl tert-butyl ether	106
trans-1,2-Dichloroethene	93
Hexane	109
1,1-Dichloroethane	105
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	109
Tetrahydrofuran	126
Chloroform	100
1,1,1-Trichloroethane	95
Cyclohexane	104
Carbon Tetrachloride	98
Benzene	106
1,2-Dichloroethane	108
Heptane	103
Trichloroethene	106
1,2-Dichloropropane	119
1,4-Dioxane	106
Bromodichloromethane	102
cis-1,3-Dichloropropene	106
4-Methyl-2-pentanone	119
Toluene	104
trans-1,3-Dichloropropene	109
1,1,2-Trichloroethane	105
Tetrachloroethene	114
2-Hexanone	120
Dibromochloromethane	109
1,2-Dibromoethane (EDB)	106

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502013-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020205	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 12:30 PM

Compound	%Recovery
Chlorobenzene	104
Ethyl Benzene	103
m,p-Xylene	107
o-Xylene	102
Styrene	102
Bromoform	111
1,1,2,2-Tetrachloroethane	95
4-Ethyltoluene	89
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	93
1,3-Dichlorobenzene	95
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	86
1,2-Dichlorobenzene	89
1,2,4-Trichlorobenzene	85
Hexachlorobutadiene	88
2,2,4-Trimethylpentane	119
Isopentane	111
2-Methylpentane	102
Naphthalene	89
Propylene	115
Thiophene	101
Indene	95
Indan	95
2,3-Dimethylpentane	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	113	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502013-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020206	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 01:09 PM

Compound	%Recovery
Freon 12	97
Freon 114	94
Chloromethane	122
Vinyl Chloride	111
1,3-Butadiene	98
Bromomethane	100
Chloroethane	108
Freon 11	94
Ethanol	58 Q
Freon 113	97
1,1-Dichloroethene	101
Acetone	106
2-Propanol	111
Carbon Disulfide	96
Methylene Chloride	102
Methyl tert-butyl ether	107
trans-1,2-Dichloroethene	95
Hexane	112
1,1-Dichloroethane	107
2-Butanone (Methyl Ethyl Ketone)	111
cis-1,2-Dichloroethene	114
Tetrahydrofuran	134
Chloroform	104
1,1,1-Trichloroethane	101
Cyclohexane	107
Carbon Tetrachloride	102
Benzene	113
1,2-Dichloroethane	113
Heptane	107
Trichloroethene	112
1,2-Dichloropropane	134 Q
1,4-Dioxane	109
Bromodichloromethane	104
cis-1,3-Dichloropropene	106
4-Methyl-2-pentanone	128
Toluene	110
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	105
Tetrachloroethene	113
2-Hexanone	121
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	108

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502013-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020206	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 01:09 PM

Compound	%Recovery
Chlorobenzene	103
Ethyl Benzene	103
m,p-Xylene	108
o-Xylene	95
Styrene	96
Bromoform	108
1,1,2,2-Tetrachloroethane	95
4-Ethyltoluene	90
1,3,5-Trimethylbenzene	92
1,2,4-Trimethylbenzene	83
1,3-Dichlorobenzene	89
1,4-Dichlorobenzene	87
alpha-Chlorotoluene	84
1,2-Dichlorobenzene	82
1,2,4-Trichlorobenzene	97
Hexachlorobutadiene	104
2,2,4-Trimethylpentane	138
Isopentane	Not Spiked
2-Methylpentane	Not Spiked
Naphthalene	Not Spiked
Propylene	122
Thiophene	Not Spiked
Indene	Not Spiked
Indan	Not Spiked
2,3-Dimethylpentane	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	113	70-130

APPENDIX E
ANALYSIS OF GRAB SAMPLE
ON
FEBRUARY 1, 2005



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020

Hours 8:00 A.M to 6:00 P.M. Pacific

E-mail to: samplerceiving@airtoxics.com



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0502051

Work Order Summary

CLIENT:	Mr. Neil Feldscher Emteque Corporation 508 8th Avenue Suite 900 New York, NY 10018	BILL TO:	Mr. Neil Feldscher Emteque Corporation 508 8th Avenue Suite 900 New York, NY 10018
PHONE:	212-631-9000	P.O. #	
FAX:	212-631-8066	PROJECT #	04-2147 Turner-W. 19th St.
DATE RECEIVED:	02/02/2005	CONTACT:	Ausha Scott
DATE COMPLETED:	02/03/2005		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	NAF-020105-PID1-1	Modified TO-15/TICs	13.5 "Hg
02A	Lab Blank	Modified TO-15/TICs	NA
03A	CCV	Modified TO-15/TICs	NA
04A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:

Laboratory Director

DATE: 02/03/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Emteque Corporation
Workorder# 0502051

One 6 Liter Summa Special (100% Certified) sample was received on February 02, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
BFB acceptance criteria	CLP protocol (TO-15)	SW-846 protocol
Concentration of IS spike	10 ppbv (TO-15)	25 ppbv
Dilutions for initial calibration	Dynamic dilutions or static using canisters	Syringe dilutions
Daily CCV	$\leq 30\%$ Difference	$\leq 30\%$ Difference with two allowed out up to $\leq 40\%$; flag and narrate outliers
Primary ions for Quantification	Freon 114: 85, Carbon Tetrachloride: 117, Trichloroethene: 130, Ethyl Benzene, m,p- and o-Xylene: 91, Vinyl Acetate: 43, 2-Butanone: 43, 4-Methyl-2-Pentanone: 43.	Freon 114: 135, Carbon Tetrachloride: 119, Trichloroethene: 95, Ethyl Benzene, m,p- and o-Xylene: 106, Vinyl Acetate: 86, 2-Butanone: 72, 4-Methyl-2-Pentanone: 58.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Sample Drying System	Nafion Dryer (TO-14A)	Multisorbent
Sample Load Volume	400 mL (TO-14A)	Varied to 0.2 L.
Blank Acceptance Criteria.	< 0.20 ppbv (TO-14A)	$< \text{RL}$
BFB Absolute Abundance Criteria (TO-14A)	Within 10% of that from the previous day.	CCV internal standard area counts are compared to ICAL, corrective action for $> 40\%$ D.
Initial Calibration	$\leq 30\%$ RSD (TO-14A)	$\leq 30\%$ RSD with 2 compounds allowed out to $\leq 40\%$ RSD.
IS Recoveries	Within 40% of mean over ICAL for blanks, and within 40 % of daily CCV for samples. (TO-15)	Within 40% of CCV recoveries for blank and samples.

Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases. A list of these compounds is available.
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Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one individual analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated Peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: NAF-020105-PID1-1

ID#: 0502051-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020211	Date of Collection:	2/1/05
Dil. Factor:	2.44	Date of Analysis:	2/2/05 04:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.5	Not Detected
Chloromethane	4.9	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.7	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.9	43	9.2	81
Freon 113	1.2	Not Detected	9.4	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	4.9	27	12	63
2-Propanol	4.9	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.8	Not Detected
Methylene Chloride	1.2	1.3	4.2	4.5
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	12	4.3	40
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.7	Not Detected
Benzene	1.2	120	3.9	400
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	8.4	5.0	34
Trichloroethene	1.2	Not Detected	6.6	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.2	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	48	4.6	180
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.3	Not Detected
2-Hexanone	4.9	Not Detected	20	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.4	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: NAF-020105-PID1-1

ID#: 0502051-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020211	Date of Collection: 2/1/05
Dil. Factor:	2.44	Date of Analysis: 2/2/05 04:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	26	5.3	120
m,p-Xylene	1.2	39	5.3	170
o-Xylene	1.2	12	5.3	52
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.4	Not Detected
4-Ethyltoluene	1.2	6.0	6.0	30
1,3,5-Trimethylbenzene	1.2	2.2	6.0	11
1,2,4-Trimethylbenzene	1.2	3.7	6.0	18
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	36	Not Detected
Hexachlorobutadiene	4.9	Not Detected	52	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.7	Not Detected
Isopentane	4.9	31	14	91
2-Methylpentane	4.9	52	17	180
Naphthalene	4.9	Not Detected	26	Not Detected
Propylene	4.9	Not Detected	8.4	Not Detected
Thiophene	4.9	Not Detected	17	Not Detected
Indene	4.9	Not Detected	23	Not Detected
Indan	4.9	Not Detected	24	Not Detected
2,3-Dimethylpentane	4.9	34	20	140

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Pentane, 3-methyl-	96-14-0	90%	86 N J
Hexane, 3-methyl-	589-34-4	35%	120 N J
Cyclopentane, 1,1,3-trimethyl-	4516-69-2	87%	76 N J
1H-Pyrazole, 3-ethyl-4,5-dihydro-	5920-29-6	59%	66 N J
Cyclopentane, 1,2,4-trimethyl-	0-00-0	91%	78 N J
Cyclopentane, 1,2,3-trimethyl-, (1.alpha)	15890-40-1	91%	99 N J
Cyclohexane, 1,3-dimethyl-, trans-	2207-03-6	93%	87 N J
Cyclohexane, 1,1,3-trimethyl-	3073-66-3	91%	200 N J
Unknown	NA	NA	76 J
Unknown	NA	NA	67 J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: NAF-020105-PID1-1

ID#: 0502051-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020211	Date of Collection: 2/1/05
Dil. Factor:	2.44	Date of Analysis: 2/2/05 04:56 PM

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	111	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502051-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020208	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 02:39 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502051-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020208	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 02:39 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Isopentane	2.0	Not Detected	5.9	Not Detected
2-Methylpentane	2.0	Not Detected	7.0	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
Propylene	2.0	Not Detected	3.4	Not Detected
Thiophene	2.0	Not Detected	6.9	Not Detected
Indene	2.0	Not Detected	9.5	Not Detected
Indan	2.0	Not Detected	9.7	Not Detected
2,3-Dimethylpentane	2.0	Not Detected	8.2	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	112	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502051-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020205	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 12:30 PM

Compound	%Recovery
Freon 12	102
Freon 114	96
Chloromethane	120
Vinyl Chloride	114
1,3-Butadiene	100
Bromomethane	94
Chloroethane	101
Freon 11	95
Ethanol	104
Freon 113	98
1,1-Dichloroethene	103
Acetone	102
2-Propanol	108
Carbon Disulfide	93
Methylene Chloride	108
Methyl tert-butyl ether	106
trans-1,2-Dichloroethene	93
Hexane	109
1,1-Dichloroethane	105
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	109
Tetrahydrofuran	126
Chloroform	100
1,1,1-Trichloroethane	95
Cyclohexane	104
Carbon Tetrachloride	98
Benzene	106
1,2-Dichloroethane	108
Heptane	103
Trichloroethene	106
1,2-Dichloropropane	119
1,4-Dioxane	106
Bromodichloromethane	102
cis-1,3-Dichloropropene	106
4-Methyl-2-pentanone	119
Toluene	104
trans-1,3-Dichloropropene	109
1,1,2-Trichloroethane	105
Tetrachloroethene	114
2-Hexanone	120
Dibromochloromethane	109
1,2-Dibromoethane (EDB)	106

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502051-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020205	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 12:30 PM

Compound	%Recovery
Chlorobenzene	104
Ethyl Benzene	103
m,p-Xylene	107
o-Xylene	102
Styrene	102
Bromoform	111
1,1,2,2-Tetrachloroethane	95
4-Ethyltoluene	89
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	93
1,3-Dichlorobenzene	95
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	86
1,2-Dichlorobenzene	89
1,2,4-Trichlorobenzene	85
Hexachlorobutadiene	88
2,2,4-Trimethylpentane	119
Isopentane	111
2-Methylpentane	102
Naphthalene	89
Propylene	115
Thiophene	101
Indene	95
Indan	95
2,3-Dimethylpentane	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	113	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502051-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020206	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 01:09 PM

Compound	%Recovery
Freon 12	97
Freon 114	94
Chloromethane	122
Vinyl Chloride	111
1,3-Butadiene	98
Bromomethane	100
Chloroethane	108
Freon 11	94
Ethanol	58 Q
Freon 113	97
1,1-Dichloroethene	101
Acetone	106
2-Propanol	111
Carbon Disulfide	96
Methylene Chloride	102
Methyl tert-butyl ether	107
trans-1,2-Dichloroethene	95
Hexane	112
1,1-Dichloroethane	107
2-Butanone (Methyl Ethyl Ketone)	111
cis-1,2-Dichloroethene	114
Tetrahydrofuran	134
Chloroform	104
1,1,1-Trichloroethane	101
Cyclohexane	107
Carbon Tetrachloride	102
Benzene	113
1,2-Dichloroethane	113
Heptane	107
Trichloroethene	112
1,2-Dichloropropane	134 Q
1,4-Dioxane	109
Bromodichloromethane	104
cis-1,3-Dichloropropene	106
4-Methyl-2-pentanone	128
Toluene	110
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	105
Tetrachloroethene	113
2-Hexanone	121
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	108

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502051-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f020206	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/2/05 01:09 PM

Compound	%Recovery
Chlorobenzene	103
Ethyl Benzene	103
m,p-Xylene	108
o-Xylene	95
Styrene	96
Bromoform	108
1,1,2,2-Tetrachloroethane	95
4-Ethyltoluene	90
1,3,5-Trimethylbenzene	92
1,2,4-Trimethylbenzene	83
1,3-Dichlorobenzene	89
1,4-Dichlorobenzene	87
alpha-Chlorotoluene	84
1,2-Dichlorobenzene	82
1,2,4-Trichlorobenzene	97
Hexachlorobutadiene	104
2,2,4-Trimethylpentane	138
Isopentane	Not Spiked
2-Methylpentane	Not Spiked
Naphthalene	Not Spiked
Propylene	122
Thiophene	Not Spiked
Indene	Not Spiked
Indan	Not Spiked
2,3-Dimethylpentane	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	113	70-130

APPENDIX F
ANALYSIS OF GRAB SAMPLE
ON
FEBRUARY 8, 2005



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020

Hours 8:00 A.M to 6:00 P.M. Pacific

E-mail to:samlereceiving@airtoxics.com



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0502190

Work Order Summary

CLIENT:	Mr. Neil Feldscher Emteque Corporation 508 8th Avenue Suite 900 New York, NY 10018	BILL TO:	Mr. Neil Feldscher Emteque Corporation 508 8th Avenue Suite 900 New York, NY 10018
PHONE:	212-631-9000	P.O. #	
FAX:	212-631-8066	PROJECT #	04-2147 Turner-W. 19th ST.
DATE RECEIVED:	02/09/2005	CONTACT:	Ausha Scott
DATE COMPLETED:	02/11/2005		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	NAF-020805-PID1-1	Modified TO-15/TICs	3.5"Hg
02A	Lab Blank	Modified TO-15/TICs	NA
03A	CCV	Modified TO-15/TICs	NA
04A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:

Laboratory Director

DATE: 02/11/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Emteque Corporation
Workorder# 0502190

One 6 Liter Summa Special (100% Certified) sample was received on February 09, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Blank and standards	Zero air	Nitrogen
Dilutions for initial calibration	Dynamic dilutions or static using canisters.	Syringe dilutions may also be utilized.
BFB acceptance criteria	CLP protocol	SW-846 protocol
Daily Calibration	+/- 30% Difference	<= 30% Difference with four allowed out up to <=40%; flag and narrate outliers
ICAL %RSD acceptance criteria	+/- 30% RSD	30% RSD with 4 compounds allowed out to < 40% RSD
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one individual analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: NAF-020805-PID1-1

ID#: 0502190-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020918	Date of Collection: 2/8/05
Dil. Factor:	1.52	Date of Analysis: 2/9/05 07:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.15	0.58	0.75	2.8
Freon 114	0.15	Not Detected	1.1	Not Detected
Chloromethane	0.15	0.84	0.31	1.7
Vinyl Chloride	0.15	Not Detected	0.39	Not Detected
Bromomethane	0.15	Not Detected	0.59	Not Detected
Chloroethane	0.15	Not Detected	0.40	Not Detected
Freon 11	0.15	0.31	0.85	1.7
1,1-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Freon 113	0.15	Not Detected	1.2	Not Detected
Methylene Chloride	0.15	1.1	0.53	3.8
1,1-Dichloroethane	0.15	Not Detected	0.62	Not Detected
cis-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Chloroform	0.15	0.27	0.74	1.3
1,1,1-Trichloroethane	0.15	Not Detected	0.83	Not Detected
Carbon Tetrachloride	0.15	Not Detected	0.96	Not Detected
Benzene	0.15	3.2	0.48	10
1,2-Dichloroethane	0.15	Not Detected	0.62	Not Detected
Trichloroethene	0.15	Not Detected	0.82	Not Detected
1,2-Dichloropropane	0.15	Not Detected	0.70	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
Toluene	0.15	9.0	0.57	34
trans-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.83	Not Detected
Tetrachloroethene	0.15	0.35	1.0	2.4
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.2	Not Detected
Chlorobenzene	0.15	Not Detected	0.70	Not Detected
Ethyl Benzene	0.15	5.9	0.66	26
m,p-Xylene	0.15	19	0.66	82
o-Xylene	0.15	8.5	0.66	37
Styrene	0.15	Not Detected	0.65	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
1,3,5-Trimethylbenzene	0.15	0.98	0.75	4.8
1,2,4-Trimethylbenzene	0.15	3.0	0.75	14
1,3-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,4-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
alpha-Chlorotoluene	0.15	Not Detected	0.79	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,2,4-Trichlorobenzene	0.76	Not Detected	5.6	Not Detected
Hexachlorobutadiene	0.76	Not Detected	8.1	Not Detected
Propylene	0.76	Not Detected	1.3	Not Detected
1,3-Butadiene	0.76	Not Detected	1.7	Not Detected
Acetone	0.76	70 E	1.8	160 E

AIR TOXICS LTD.

SAMPLE NAME: NAF-020805-PID1-1

ID#: 0502190-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020918	Date of Collection:	2/8/05
Dil. Factor:	1.52	Date of Analysis:	2/9/05 07:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.76	Not Detected	2.4	Not Detected
2-Propanol	0.76	14	1.9	35
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.76	1.4	2.2	4.0
Hexane	0.76	3.4	2.7	12
Tetrahydrofuran	0.76	Not Detected	2.2	Not Detected
Cyclohexane	0.76	1.2	2.6	4.2
1,4-Dioxane	0.76	Not Detected	2.7	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
2-Hexanone	0.76	Not Detected	3.1	Not Detected
Dibromochloromethane	0.76	Not Detected	6.5	Not Detected
Bromoform	0.76	Not Detected	7.8	Not Detected
4-Ethyltoluene	0.76	2.6	3.7	12
Ethanol	0.76	61 E	1.4	110 E
Methyl tert-butyl ether	0.76	Not Detected	2.7	Not Detected
Heptane	0.76	0.80	3.1	3.3
Naphthalene	0.76	0.91	4.0	4.8
2-Methylpentane	0.76	1.8	2.7	6.4
Isopentane	0.76	5.8	2.2	17
2,3-Dimethylpentane	0.76	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.76	Not Detected	3.6	Not Detected
Indene	0.76	0.77	3.6	3.7
Indan	0.76	1.1	3.7	5.5
Thiophene	0.76	Not Detected	2.6	Not Detected

E = Exceeds instrument calibration range.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
1-Propene, 3,3,3-trifluoro-2-methyl-	374-00-5	45%	24 N J
Unknown	NA	NA	15 J
Butane	106-97-8	72%	21 N J
Acetaldehyde	75-07-0	86%	35 N J
Pentane	109-66-0	86%	6.0 N J
Pentane, 3-methyl-	96-14-0	80%	4.8 N J
Unknown	NA	NA	17 J
Undecane	1120-21-4	50%	14 N J
Heptane, 5-ethyl-2-methyl-	13475-78-0	59%	5.1 N J
Tridecane	629-50-5	80%	9.6 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: NAF-020805-PID1-1

ID#: 0502190-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020918	Date of Collection: 2/8/05
Dil. Factor:	1.52	Date of Analysis: 2/9/05 07:09 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502190-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020908	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/9/05 11:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected
Propylene	0.50	Not Detected	0.86	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502190-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020908	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/9/05 11:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
1,4-Dioxane	0.50	Not Detected	1.8	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Naphthalene	0.50	Not Detected	2.6	Not Detected
2-Methylpentane	0.50	Not Detected	1.8	Not Detected
Isopentane	0.50	Not Detected	1.5	Not Detected
2,3-Dimethylpentane	0.50	Not Detected	2.0	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Indene	0.50	Not Detected	2.4	Not Detected
Indan	0.50	Not Detected	2.4	Not Detected
Thiophene	0.50	Not Detected	1.7	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
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None Identified

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	111	70-130
Toluene-d8	98	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502190-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020902	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/9/05 12:48 AM

Compound	%Recovery
Freon 12	110
Freon 114	114
Chloromethane	111
Vinyl Chloride	110
Bromomethane	97
Chloroethane	98
Freon 11	111
1,1-Dichloroethene	105
Freon 113	107
Methylene Chloride	90
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	98
Chloroform	104
1,1,1-Trichloroethane	110
Carbon Tetrachloride	108
Benzene	94
1,2-Dichloroethane	110
Trichloroethene	106
1,2-Dichloropropane	100
cis-1,3-Dichloropropene	104
Toluene	97
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	103
Tetrachloroethene	105
1,2-Dibromoethane (EDB)	107
Chlorobenzene	106
Ethyl Benzene	106
m,p-Xylene	105
o-Xylene	104
Styrene	107
1,1,2,2-Tetrachloroethane	100
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	97
alpha-Chlorotoluene	100
1,2-Dichlorobenzene	97
1,2,4-Trichlorobenzene	106
Hexachlorobutadiene	104
Propylene	127
1,3-Butadiene	111
Acetone	100

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502190-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020902	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/9/05 12:48 AM

Compound	%Recovery
Carbon Disulfide	102
2-Propanol	82
trans-1,2-Dichloroethene	101
2-Butanone (Methyl Ethyl Ketone)	97
Hexane	101
Tetrahydrofuran	94
Cyclohexane	101
1,4-Dioxane	102
Bromodichloromethane	105
4-Methyl-2-pentanone	103
2-Hexanone	105
Dibromochloromethane	109
Bromoform	114
4-Ethyltoluene	106
Ethanol	118
Methyl tert-butyl ether	107
Heptane	102
Naphthalene	95
2-Methylpentane	112
Isopentane	62
2,3-Dimethylpentane	117
2,2,4-Trimethylpentane	114
Indene	106
Indan	103
Thiophene	116

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502190-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020906	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/9/05 05:46 AM

Compound	%Recovery
Freon 12	106
Freon 114	108
Chloromethane	102
Vinyl Chloride	105
Bromomethane	94
Chloroethane	98
Freon 11	111
1,1-Dichloroethene	107
Freon 113	107
Methylene Chloride	98
1,1-Dichloroethane	109
cis-1,2-Dichloroethene	106
Chloroform	112
1,1,1-Trichloroethane	125
Carbon Tetrachloride	67 Q
Benzene	102
1,2-Dichloroethane	124
Trichloroethene	119
1,2-Dichloropropane	112
cis-1,3-Dichloropropene	117
Toluene	100
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	110
Tetrachloroethene	110
1,2-Dibromoethane (EDB)	116
Chlorobenzene	112
Ethyl Benzene	110
m,p-Xylene	107
o-Xylene	116
Styrene	90
1,1,2,2-Tetrachloroethane	116
1,3,5-Trimethylbenzene	122
1,2,4-Trimethylbenzene	118
1,3-Dichlorobenzene	119
1,4-Dichlorobenzene	117
alpha-Chlorotoluene	144 Q
1,2-Dichlorobenzene	118
1,2,4-Trichlorobenzene	151 Q
Hexachlorobutadiene	137 Q
Propylene	118
1,3-Butadiene	89
Acetone	93

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502190-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7020906	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/9/05 05:46 AM

Compound	%Recovery
Carbon Disulfide	93
2-Propanol	82
trans-1,2-Dichloroethene	93
2-Butanone (Methyl Ethyl Ketone)	94
Hexane	98
Tetrahydrofuran	95
Cyclohexane	101
1,4-Dioxane	109
Bromodichloromethane	104
4-Methyl-2-pentanone	98
2-Hexanone	96
Dibromochloromethane	106
Bromoform	99
4-Ethyltoluene	125
Ethanol	96
Methyl tert-butyl ether	104
Heptane	98
Naphthalene	Not Spiked
2-Methylpentane	Not Spiked
Isopentane	Not Spiked
2,3-Dimethylpentane	Not Spiked
2,2,4-Trimethylpentane	Not Spiked
Indene	Not Spiked
Indan	Not Spiked
Thiophene	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	97	70-130
Toluene-d8	101	70-130

Sample Transportation Notice

AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

Revolving signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Revolving signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collector's handling, or shipping of samples. D.Q.T. Hotline (800) 67-4922

CHAIN-OF-CUSTODY RECORD

Contact Person Neil Folstein
Company ENTERQUE Corporation Email Neil@NY-EGAR.com
Address 505 8th Avenue, Ste 900 City New York State NY Zip 10018
Phone (212) 631-9000 Fax (212) 631-8066
Collected by: (Signature) [Signature]

**180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
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Page 1 of 1

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APPENDIX G
ANALYSIS OF GRAB SAMPLE
ON
FEBRUARY 9, 2005



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020

Hours 8:00 A.M to 6:00 P.M. Pacific

E-mail to:samlereceiving@airtoxics.com



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0502214

Work Order Summary

CLIENT: Mr. Neil Feldscher
Emteque Corporation
508 8th Avenue Suite 900
New York, NY 10018

BILL TO: Mr. Neil Feldscher
Emteque Corporation
508 8th Avenue Suite 900
New York, NY 10018

PHONE: 212-631-9000

P.O. #

FAX: 212-631-8066

PROJECT # 04-2147 Turner-W. 19th St.

DATE RECEIVED: 02/10/2005

CONTACT: Ausha Scott

DATE COMPLETED: 02/14/2005

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	NAF-020905-PID3-1	Modified TO-15/TICs	4.0 "Hg
02A	Lab Blank	Modified TO-15/TICs	NA
03A	CCV	Modified TO-15/TICs	NA
04A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:

Laboratory Director

DATE: 02/14/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15
Emteque Corporation
Workorder# 0502214

One 6 Liter Summa Special (100% Certified) sample was received on February 10, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Blank and standards	Zero air	Nitrogen
Dilutions for initial calibration	Dynamic dilutions or static using canisters.	Syringe dilutions may also be utilized.
BFB acceptance criteria	CLP protocol	SW-846 protocol
Daily Calibration	+/- 30% Difference	<= 30% Difference with four allowed out up to <=40%; flag and narrate outliers
ICAL %RSD acceptance criteria	+/- 30% RSD	30% RSD with 4 compounds allowed out to < 40% RSD
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one individual analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: NAF-020905-PID3-1

ID#: 0502214-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021214	Date of Collection:	2/9/05
Dil. Factor:	1.55	Date of Analysis:	2/12/05 04:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.61	0.77	3.0
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.57	0.32	1.2
Vinyl Chloride	0.16	Not Detected	0.40	Not Detected
Bromomethane	0.16	Not Detected	0.60	Not Detected
Chloroethane	0.16	Not Detected	0.41	Not Detected
Freon 11	0.16	0.43	0.87	2.4
1,1-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Freon 113	0.16	Not Detected	1.2	Not Detected
Methylene Chloride	0.16	1.0	0.54	3.6
1,1-Dichloroethane	0.16	Not Detected	0.63	Not Detected
cis-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Chloroform	0.16	0.20	0.76	0.97
1,1,1-Trichloroethane	0.16	Not Detected	0.84	Not Detected
Carbon Tetrachloride	0.16	Not Detected	0.98	Not Detected
Benzene	0.16	2.6	0.50	8.3
1,2-Dichloroethane	0.16	Not Detected	0.63	Not Detected
Trichloroethene	0.16	Not Detected	0.83	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.72	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.70	Not Detected
Toluene	0.16	6.8	0.58	26
trans-1,3-Dichloropropene	0.16	Not Detected	0.70	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.84	Not Detected
Tetrachloroethene	0.16	0.33	1.0	2.3
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.71	Not Detected
Ethyl Benzene	0.16	4.3	0.67	18
m,p-Xylene	0.16	14	0.67	59
o-Xylene	0.16	6.2	0.67	27
Styrene	0.16	Not Detected	0.66	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
1,3,5-Trimethylbenzene	0.16	0.75	0.76	3.7
1,2,4-Trimethylbenzene	0.16	2.2	0.76	11
1,3-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.80	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
1,2,4-Trichlorobenzene	0.78	Not Detected	5.8	Not Detected
Hexachlorobutadiene	0.78	Not Detected	8.3	Not Detected
Propylene	0.78	Not Detected	1.3	Not Detected
1,3-Butadiene	0.78	Not Detected	1.7	Not Detected
Acetone	0.78	33	1.8	78

AIR TOXICS LTD.

SAMPLE NAME: NAF-020905-PID3-1

ID#: 0502214-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021214	Date of Collection: 2/9/05
Dil. Factor:	1.55	Date of Analysis: 2/12/05 04:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.78	Not Detected	2.4	Not Detected
2-Propanol	0.78	9.5	1.9	23
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.78	1.8	2.3	5.3
Hexane	0.78	2.2	2.7	7.8
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Cyclohexane	0.78	0.97	2.7	3.3
1,4-Dioxane	0.78	Not Detected	2.8	Not Detected
Bromodichloromethane	0.78	Not Detected	5.2	Not Detected
4-Methyl-2-pentanone	0.78	Not Detected	3.2	Not Detected
2-Hexanone	0.78	Not Detected	3.2	Not Detected
Dibromochloromethane	0.78	Not Detected	6.6	Not Detected
Bromoform	0.78	Not Detected	8.0	Not Detected
4-Ethyltoluene	0.78	1.9	3.8	9.3
Ethanol	0.78	77 E	1.5	140 E
Methyl tert-butyl ether	0.78	1.0	2.8	3.7
Heptane	0.78	1.0	3.2	4.3
Naphthalene	0.78	0.98	4.1	5.1
2-Methylpentane	0.78	2.0	2.7	7.0
Isopentane	0.78	6.9	2.3	20
2,3-Dimethylpentane	0.78	1.1	3.2	4.7
2,2,4-Trimethylpentane	0.78	1.5	3.6	7.0
Indene	0.78	Not Detected	3.7	Not Detected
Indan	0.78	0.81	3.7	3.9
Thiophene	0.78	Not Detected	2.7	Not Detected

E = Exceeds instrument calibration range.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	9.8
Propane, 2-methyl-	75-28-5	59%	26
Butane	106-97-8	52%	17
Acetaldehyde	75-07-0	86%	23
Pentane	109-66-0	86%	9.1
Pentane, 3-methyl-	96-14-0	80%	6.3
.alpha.-Pinene	80-56-8	86%	6.1
Dodecane, 3-methyl-	17312-57-1	53%	9.2
Limonene	138-86-3	94%	37
Undecane	1120-21-4	93%	7.1

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: NAF-020905-PID3-1

ID#: 0502214-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021214	Date of Collection:	2/9/05
Dil. Factor:	1.55	Date of Analysis:	2/12/05 04:47 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	102	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502214-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021207	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/12/05 11:37 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected
Propylene	0.50	Not Detected	0.86	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502214-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021207	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/12/05 11:37 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
1,4-Dioxane	0.50	Not Detected	1.8	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Naphthalene	0.50	Not Detected	2.6	Not Detected
2-Methylpentane	0.50	Not Detected	1.8	Not Detected
Isopentane	0.50	Not Detected	1.5	Not Detected
2,3-Dimethylpentane	0.50	Not Detected	2.0	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Indene	0.50	Not Detected	2.4	Not Detected
Indan	0.50	Not Detected	2.4	Not Detected
Thiophene	0.50	Not Detected	1.7	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	111	70-130
Toluene-d8	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502214-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/12/05 07:41 AM

Compound	%Recovery
Freon 12	109
Freon 114	107
Chloromethane	108
Vinyl Chloride	96
Bromomethane	96
Chloroethane	93
Freon 11	113
1,1-Dichloroethene	102
Freon 113	106
Methylene Chloride	92
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	93
Chloroform	106
1,1,1-Trichloroethane	112
Carbon Tetrachloride	113
Benzene	96
1,2-Dichloroethane	117
Trichloroethene	107
1,2-Dichloropropane	104
cis-1,3-Dichloropropene	103
Toluene	97
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	100
Tetrachloroethene	105
1,2-Dibromoethane (EDB)	104
Chlorobenzene	102
Ethyl Benzene	99
m,p-Xylene	98
o-Xylene	102
Styrene	102
1,1,2,2-Tetrachloroethane	100
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	101
1,3-Dichlorobenzene	97
1,4-Dichlorobenzene	97
alpha-Chlorotoluene	99
1,2-Dichlorobenzene	95
1,2,4-Trichlorobenzene	104
Hexachlorobutadiene	106
Propylene	119
1,3-Butadiene	104
Acetone	101

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502214-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/12/05 07:41 AM

Compound	%Recovery
Carbon Disulfide	100
2-Propanol	95
trans-1,2-Dichloroethene	102
2-Butanone (Methyl Ethyl Ketone)	95
Hexane	99
Tetrahydrofuran	92
Cyclohexane	98
1,4-Dioxane	102
Bromodichloromethane	110
4-Methyl-2-pentanone	102
2-Hexanone	99
Dibromochloromethane	111
Bromoform	115
4-Ethyltoluene	102
Ethanol	86
Methyl tert-butyl ether	105
Heptane	102
Naphthalene	88
2-Methylpentane	96
Isopentane	100
2,3-Dimethylpentane	101
2,2,4-Trimethylpentane	96
Indene	95
Indan	93
Thiophene	103

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	101	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502214-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021205	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/12/05 10:00 AM

Compound	%Recovery
Freon 12	105
Freon 114	103
Chloromethane	101
Vinyl Chloride	99
Bromomethane	91
Chloroethane	93
Freon 11	113
1,1-Dichloroethene	100
Freon 113	106
Methylene Chloride	93
1,1-Dichloroethane	106
cis-1,2-Dichloroethene	106
Chloroform	110
1,1,1-Trichloroethane	125
Carbon Tetrachloride	59 Q
Benzene	98
1,2-Dichloroethane	120
Trichloroethene	115
1,2-Dichloropropane	107
cis-1,3-Dichloropropene	115
Toluene	96
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	108
Tetrachloroethene	110
1,2-Dibromoethane (EDB)	112
Chlorobenzene	107
Ethyl Benzene	106
m,p-Xylene	100
o-Xylene	109
Styrene	86
1,1,2,2-Tetrachloroethane	113
1,3,5-Trimethylbenzene	118
1,2,4-Trimethylbenzene	111
1,3-Dichlorobenzene	114
1,4-Dichlorobenzene	112
alpha-Chlorotoluene	143 Q
1,2-Dichlorobenzene	113
1,2,4-Trichlorobenzene	142 Q
Hexachlorobutadiene	128
Propylene	115
1,3-Butadiene	83
Acetone	93

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502214-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7021205	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/12/05 10:00 AM

Compound	%Recovery
Carbon Disulfide	89
2-Propanol	80
trans-1,2-Dichloroethene	92
2-Butanone (Methyl Ethyl Ketone)	88
Hexane	94
Tetrahydrofuran	91
Cyclohexane	94
1,4-Dioxane	102
Bromodichloromethane	102
4-Methyl-2-pentanone	96
2-Hexanone	90
Dibromochloromethane	106
Bromoform	95
4-Ethyltoluene	118
Ethanol	92
Methyl tert-butyl ether	104
Heptane	94
Naphthalene	Not Spiked
2-Methylpentane	Not Spiked
Isopentane	Not Spiked
2,3-Dimethylpentane	Not Spiked
2,2,4-Trimethylpentane	Not Spiked
Indene	Not Spiked
Indan	Not Spiked
Thiophene	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	99	70-130
Toluene-d8	100	70-130



CHAIN-OF-CUSTODY RECORD

Contact Person Neri Feldscher
Company ENTRETE Corporation
Address 505 8th Ave., St. 900 City New
Phone (212) 631-9000 Fax (212) 631-9000
Collected by: (Signature) [Signature]

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 67-4922

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FOLSOM, CA 95630-4719
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APPENDIX H

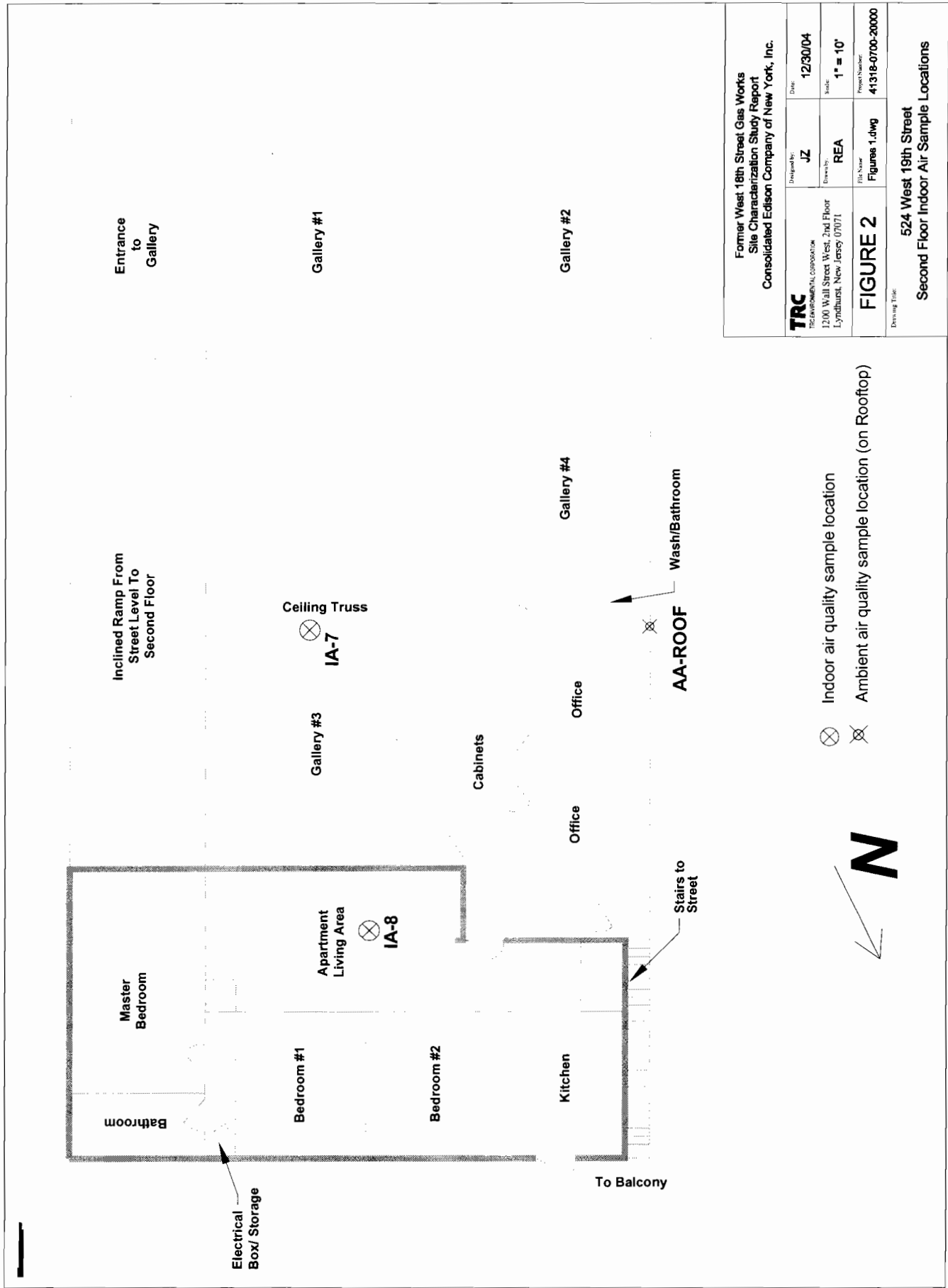
**CONSOLIDATED EDISON
REPORTED RESULTS
(PHASE I SAMPLING)**

COMPOUND NAME	CASNUM	W18-IA1		W18-SG1		W18-IA2		W18-IA9		W18-SG2		W18-IA3		W18-SG3		W18-IA4		W18-IA5	
		RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL
Freon 12	75-71-8	2.2	J	0.92	0.78	4.6	J	0.77	J	ND	ND	3.6	J	0.81	86	3.1	J	0.78	2.8
Freon 114	76-14-2	ND	1.3	ND	1.1	ND	1.2	ND	1.1	ND	12000	ND	1.1	ND	120	ND	1.1	ND	1.1
Chloromethane	74-87-3	0.80	J	0.39	0.33	2.4	J	0.32	J	ND	3500	1.7	J	0.34	36	1.4	J	0.33	1.0
Vinyl Chloride	75-01-4	ND	0.48	ND	0.40	ND	0.46	ND	0.40	ND	4400	ND	ND	ND	44	ND	0.40	ND	0.40
Bromomethane	74-83-9	ND	0.73	ND	0.61	ND	0.70	ND	0.60	ND	6600	ND	ND	ND	67	ND	0.61	ND	0.60
Chloroethane	75-00-3	ND	0.49	ND	0.42	ND	0.47	ND	0.41	ND	4500	ND	ND	ND	46	ND	0.42	ND	0.41
Freon 11	75-69-4	1.4	1.0	1.7	0.89	1.7	1.0	0.87	ND	ND	9600	1.7	ND	0.92	98	1.6	0.89	1.4	0.87
1,1-Dichloroethene	75-35-4	ND	0.74	ND	0.63	ND	0.71	ND	0.61	ND	6800	ND	ND	0.65	69	ND	0.63	ND	0.61
Freon 113	76-13-1	ND	1.4	ND	1.2	ND	1.4	ND	1.2	ND	13000	ND	ND	1.2	130	ND	1.2	ND	1.2
Methylene Chloride	75-09-2	1.6	0.65	ND	0.55	2.7	0.62	0.54	ND	ND	5900	2.2	ND	0.57	60	0.60	0.55	3.8	0.54
1,1-Dichloroethane	75-34-3	ND	0.76	ND	0.63	ND	0.72	ND	0.63	ND	6900	ND	ND	0.66	70	ND	0.64	ND	0.63
cis-1,2-Dichloroethene	156-59-2	ND	0.74	ND	0.63	ND	0.71	ND	0.61	ND	6800	ND	ND	0.65	69	ND	0.63	ND	0.61
Chloroform	67-66-3	ND	0.91	17	0.77	ND	0.87	ND	0.76	ND	8300	ND	ND	0.80	85	ND	0.77	ND	0.76
1,1,1-Trichloroethane	71-55-6	ND	1.0	ND	0.86	ND	0.98	ND	0.84	ND	9300	ND	ND	0.89	95	ND	0.86	ND	0.84
Carbon Tetrachloride	56-23-5	ND	1.2	ND	0.99	ND	1.1	ND	0.98	ND	11000	ND	ND	1.0	110	ND	0.99	ND	0.98
Benzene	71-43-2	0.85	0.60	0.66	0.50	1.5	0.57	0.50	2.7	ND	5400	2.1	ND	0.52	56	0.86	0.50	2.3	0.50
1,2-Dichloroethane	107-06-2	ND	0.76	ND	0.64	ND	0.72	ND	0.63	ND	6900	ND	ND	0.66	70	ND	0.64	ND	0.63
Trichloroethene	79-01-6	ND	1.0	ND	0.85	ND	0.96	ND	0.83	ND	9200	ND	ND	0.88	93	ND	0.85	ND	0.83
1,2-Dichloropropane	78-87-5	ND	0.86	ND	0.73	ND	0.83	ND	0.72	ND	7900	ND	ND	0.76	80	ND	0.73	ND	0.72
cis-1,3-Dichloropropene	10061-01-5	ND	0.85	ND	0.72	ND	0.81	ND	0.70	ND	7800	ND	ND	0.74	79	ND	0.72	ND	0.70
Toluene	108-88-3	16	0.70	2.1	0.60	18	0.67	0.58	37	ND	6400	28	ND	0.62	65	20	0.60	13	0.58
Trans-1,3-Dichloropropene	10061-02-6	ND	0.85	ND	0.72	ND	0.81	ND	0.70	ND	7800	ND	ND	0.74	79	ND	0.72	ND	0.70
1,1,2-Trichloroethane	79-00-5	ND	1.0	ND	0.86	ND	0.98	ND	0.84	ND	9300	ND	ND	0.89	95	ND	0.86	ND	0.84
Tetrachloroethene	127-18-4	ND	1.3	13	1.1	100	1.2	1.0	85	ND	12000	62	ND	1.1	120	ND	1.1	58	1.0
1,2-Dibromoethane (EDB)	106-93-4	ND	1.4	ND	1.2	ND	1.4	ND	1.2	ND	13000	ND	ND	1.3	130	ND	1.2	ND	1.2
Chlorobenzene	108-90-7	ND	0.86	ND	0.73	ND	0.82	ND	0.71	ND	7900	ND	ND	0.76	80	ND	0.73	ND	0.71
Ethyl Benzene	100-41-4	1.3	0.81	ND	0.69	2.8	0.78	0.67	3.7	ND	7400	2.0	ND	0.71	75	1.2	0.69	ND	0.67
m,p-Xylene	108-38-3/106-42-3	4.8	0.81	1.8	0.69	8.6	0.78	0.67	9.6	ND	7400	6.5	ND	0.71	75	3.7	0.69	1.1	0.67
o-Xylene	95-47-6	2.1	0.81	0.67	0.69	3.9	0.78	0.67	4.1	ND	7400	3.1	ND	0.71	75	1.1	0.69	ND	0.67
Styrene	100-42-5	ND	0.80	ND	0.67	ND	0.76	0.66	1.0	ND	7300	ND	ND	0.70	74	ND	0.67	ND	0.66
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.3	ND	1.1	ND	1.2	ND	1.1	ND	12000	ND	ND	1.1	120	ND	1.1	ND	1.1
1,3,5-Trimethylbenzene	108-67-8	1.2	0.92	ND	0.78	1.9	0.88	0.76	1.9	ND	8400	1.5	ND	0.81	85	ND	0.78	ND	0.76
1,2,4-Trimethylbenzene	95-63-6	3.3	0.92	1.0	0.78	5.6	0.88	0.76	4.8	ND	8400	4.4	ND	0.81	85	1.2	0.78	ND	0.76
1,3-Dichlorobenzene	541-73-1	ND	1.1	ND	0.95	ND	1.1	0.93	ND	ND	10000	ND	ND	0.99	100	ND	0.95	ND	0.93
1,4-Dichlorobenzene	106-46-7	ND	1.1	ND	0.95	ND	1.1	0.93	ND	ND	10000	ND	ND	0.99	100	ND	0.95	ND	0.93
alpha-Chlorotoluene	100-44-7	ND	0.97	ND	0.82	ND	0.93	ND	0.80	ND	8800	ND	ND	0.85	90	ND	0.82	ND	0.80
1,2-Dichlorobenzene	95-50-1	ND	1.1	ND	0.95	ND	1.1	0.93	ND	ND	10000	ND	ND	0.99	100	ND	0.95	ND	0.93
1,2,4-Trichlorobenzene	120-82-1	ND	6.9	ND	5.9	ND	6.6	5.8	ND	ND	63000	ND	ND	6.1	640	ND	5.9	ND	5.8
Hexachlorobutadiene	87-68-3	ND	10	ND	8.4	ND	9.5	8.3	ND	ND	91000	ND	ND	8.7	930	ND	8.4	ND	8.3
Propylene	115-07-1	ND	1.6	ND	1.4	ND	1.5	1.3	ND	ND	15000	ND	ND	1.4	150	ND	1.4	ND	1.3
1,3-Butadiene	106-99-0	ND	2.1	ND	1.7	ND	2.0	1.7	ND	ND	19000	ND	ND	1.8	190	ND	1.7	ND	1.7
Acetone	67-64-1	18	2.2	5.9	1.9	75	2.1	1.8	69	ND	20000	58	ND	1.9	210	12	1.9	44	1.8
Carbon Disulfide	75-15-0	ND	2.9	4.1	2.5	ND	2.8	2.4	ND	ND	26000	ND	ND	2.6	270	2.1	2.5	2.9	2.4
2-Propanol	67-63-0	2.8	2.3	ND	1.9	25	2.2	1.9	24	ND	21000	22	ND	2.0	210	2.1	1.9	22	1.9
Trans-1,2-Dichloroethene	156-60-5	ND	3.7	ND	3.1	ND	3.5	3.1	ND	ND	34000	ND	ND	3.2	340	ND	3.1	ND	3.1
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ND	2.8	ND	2.3	ND	2.6	2.3	ND	ND	25000	ND	ND	2.4	260	ND	2.3	ND	2.3
Hexane	110-54-3	ND	3.3	ND	2.8	5.8	3.2	2.7	5.4	ND	30000	3.2	ND	2.9	310	ND	2.8	2.7	2.7
Tetrahydrofuran	109-99-9	ND	2.8	ND	2.3	ND	2.6	2.3	ND	ND	25000	ND	ND	2.4	260	ND	2.3	ND	2.3
Cyclohexane	110-82-7	ND	3.2	ND	2.7	3.4	3.1	2.7	3.3	270000	29000	ND	ND	2.8	300	ND	2.7	ND	2.7
1,4-Dioxane	123-91-1	ND	3.4	ND	2.8	ND	3.2	2.8	ND	ND	31000	ND	ND	3.0	310	ND	2.8	ND	2.8
Bromodichloromethane	75-27-4	ND	6.3	ND	5.3	ND	6.0	5.2	ND	ND	57000	ND	ND	5.5	580	ND	5.3	ND	5.2
4-Methyl-2-pentanone	108-10-1	ND	3.8	ND	3.2	ND	3.7	3.2	ND	ND	35000	ND	ND	3.4	360	ND	3.2	ND	3.2
2-Hexanone	591-78-6	ND	3.8	ND	3.2	ND	3.7	3.2	ND	ND	35000	ND	ND	3.4	360	ND	3.2	ND	3.2
Dibromochloromethane	124-48-1	ND	8.0	ND	6.7	ND	7.6	6.6	ND	ND	73000	ND	ND	7.0	740	ND	6.7	ND	6.6
Bromoform	75-25-2	ND	9.7	ND	8.2	ND	9.2	8.0	ND	ND	88000	ND	ND	8.5	900	ND	8.2	ND	8.0
4-Ethyltoluene	622-96-8	ND	4.6	ND	3.9	5.8	4.4	3.8	5.3	ND	42000	4.8	ND	4.0	430	ND	3.9	ND	3.8
Ethanol	64-17-5	17	1.8	ND	1.5	100	1.7	1.5	90	ND	16000	110	ND	1.5	160	14	1.5	76	1.5
Methyl tert-butyl ether	1634-04-4	ND	3.4	ND	2.8	ND	3.2	2.8	ND	ND	31000	ND	ND	3.0	310	ND	2.8	ND	2.8
Heptane	142-82-5	ND	3.8	ND	3.2	ND	3.7	3.2	ND	ND	35000	ND	ND	3.4	360	ND	3.2	ND	3.2
Naphthalene	91-20-3	ND	4.9	ND	4.1	ND	4.6	4.1	ND	ND	22000	ND	ND	4.1	150	ND	4.1	ND	5.4
2-Methylpentane	107-83-5	ND	3.3	ND	2.8	3.3	3.2	2.7	3.7	ND	15000	ND	ND	2.9	310	ND	2.8	ND	2.7
Isopentane	78-78-4	ND	2.8	ND	2.3	5.7	2.6	2.3	46	J	12000	4.0	J	2.4	260	2.3	2.3	J	2.3
2,3-Dimethylpentane	565-59-3	ND	3.8	ND	3.2	ND	3.7	3.2	ND	ND	17000	ND	ND	3.4	360	ND	3.2	ND	3.2
2,2,4-Trimethylpentane	540-84-1	ND	4.4	ND	3.7	ND	4.2	3.6	ND	ND	20000	ND	ND	3.8	400	ND	3.7	ND	3.6
Indene	95-13-6	ND	4.4	ND	3.8	ND	4.2	3.7	ND	ND	20000	ND	ND	3.9	410	ND	3.8	ND	3.7
Indan	496-11-7	ND	4.5	ND	3.8	ND	4.3	3.7	ND	ND	21000	ND	ND	4.0	420	ND	3.8	ND	3.7
Thiophene	110-02-1	ND	3.2	ND	2.7	ND	3.1	2.7	ND	ND	15000	ND	ND	2.8	300	ND	2.7	ND	2.7

COMPOUND NAME	W18-IA6		W18-IA7		W18-IA8		W18-AAROOF		W18-AA19EAST		W18-AA19WEST		W18-AA18	
	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL	RESULTS	RL
Freon 12	2.4	J	2.0	J	2.6	J	2.7	J	2.1	J	2.4	J	2.2	J
Freon 114		ND	ND	1.3	ND	ND	ND	1.1	ND	1.1	ND	1.0	ND	1.1
Chloromethane	0.85	J	1.1	J	1.0	J	1.2	J	0.85	J	1.0	J	1.1	J
Vinyl Chloride		ND	ND	0.48	ND	0.46	ND	0.42	ND	0.40	ND	0.38	ND	0.40
Bromomethane		ND	ND	0.73	ND	0.70	ND	0.64	ND	0.60	ND	0.58	ND	0.60
Chloroethane		ND	ND	0.49	ND	0.47	ND	0.43	ND	0.41	ND	0.39	ND	0.41
Freon 11	1.5													
75-69-4		ND	1.7	1.0	1.6	1.0	1.7	0.92	1.5	0.87	1.5	0.84	1.5	0.87
1,1-Dichloroethene		ND	ND	0.74	ND	0.71	ND	0.65	ND	0.61	ND	0.59	ND	0.61
Freon 113		ND	ND	1.4	ND	1.4	ND	1.2	ND	1.2	ND	1.1	ND	1.2
Methylene Chloride														
1,1-Dichloroethane	3.9	ND	1.3	0.65	1.0	0.72	ND	0.57	1.5	0.54	ND	0.52	ND	0.54
cis-1,2-Dichloroethene		ND	ND	0.76	ND	0.71	ND	0.66	ND	0.63	ND	0.60	ND	0.63
156-59-2		ND	ND	0.74	ND	0.69	ND	0.65	ND	0.61	ND	0.59	ND	0.61
67-66-3	1.0	ND	ND	0.91	ND	0.87	ND	0.80	ND	0.76	ND	0.73	ND	0.76
Chloroform		ND	ND	1.0	ND	0.98	ND	0.89	ND	0.84	ND	0.81	ND	0.84
1,1,1-Trichloroethane		ND	ND	1.2	ND	1.1	ND	1.0	ND	0.98	ND	0.94	ND	0.98
Carbon Tetrachloride		ND	ND	1.2	ND	1.1	ND	1.0	ND	0.98	ND	0.94	ND	0.98
Benzene	1.5													
71-43-2		ND	1.2	0.60	0.89	0.57	0.68	0.52	0.72	0.50	0.85	0.48	1.1	0.50
1,2-Dichloroethane		ND	ND	0.76	ND	0.72	ND	0.66	ND	0.63	ND	0.60	ND	0.63
Trichloroethene		ND	ND	1.0	ND	0.96	ND	0.88	ND	0.83	ND	0.80	ND	0.83
1,2-Dichloropropane		ND	ND	0.86	ND	0.83	ND	0.78	ND	0.72	ND	0.69	ND	0.72
cis-1,3-Dichloropropene		ND	ND	0.85	ND	0.81	ND	0.74	ND	0.70	ND	0.68	ND	0.70
Toluene	24	ND	21	0.70	14	0.87	0.87	0.62	0.87	0.58	1.5	0.56	1.9	0.58
108-88-3		ND	ND	0.85	ND	0.81	ND	0.74	ND	0.70	ND	0.68	ND	0.70
trans-1,3-Dichloropropene		ND	ND	1.0	ND	0.98	ND	0.89	ND	0.84	ND	0.81	ND	0.84
1,1,2-Trichloroethane		ND	ND	1.2	6.6	1.2	ND	1.1	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	41	ND	12	1.3	ND	1.4	ND	1.3	ND	1.2	ND	1.1	ND	1.2
1,2-Dibromoethane (EDB)		ND	ND	1.4	ND	1.4	ND	1.3	ND	1.2	ND	1.1	ND	1.2
Chlorobenzene		ND	ND	0.86	ND	0.82	ND	0.76	ND	0.71	ND	0.68	ND	0.71
Ethyl Benzene		ND	1.3	0.81	0.99	0.78	ND	0.71	ND	0.67	ND	0.65	ND	0.67
m,p-Xylene	3.8	ND	ND	0.81	2.6	0.78	ND	0.71	ND	0.67	ND	0.65	1.0	0.67
o-Xylene	5.3	ND	1.6	0.81	0.95	0.78	ND	0.71	ND	0.67	ND	0.65	ND	0.67
Styrene		ND	ND	0.80	ND	0.76	ND	0.70	ND	0.66	ND	0.63	ND	0.66
100-42-5		ND	ND	1.2	ND	1.1	ND	1.1	ND	1.1	ND	1.0	ND	1.1
1,1,2,2-Tetrachloroethane		ND	ND	1.3	ND	1.2	ND	1.1	ND	1.1	ND	1.0	ND	1.1
1,3,5-Trimethylbenzene	2.7	ND	ND	0.92	ND	0.88	ND	0.81	ND	0.76	ND	0.73	ND	0.76
1,2,4-Trimethylbenzene	7.5	ND	2.2	0.92	1.5	0.88	ND	0.81	ND	0.76	ND	0.73	ND	0.76
1,3-Dichlorobenzene		ND	ND	1.1	ND	1.1	ND	0.99	ND	0.93	ND	0.90	ND	0.93
1,4-Dichlorobenzene		ND	ND	1.1	ND	1.1	ND	0.99	ND	0.93	ND	0.90	ND	0.93
alpha-Chlorotoluene		ND	ND	1.1	ND	1.1	ND	0.99	ND	0.93	ND	0.90	ND	0.93
1,2-Dichlorobenzene		ND	ND	0.97	ND	0.93	ND	0.85	ND	0.80	ND	0.77	ND	0.80
1,2,4-Trichlorobenzene		ND	ND	1.1	ND	1.1	ND	0.99	ND	0.93	ND	0.90	ND	0.93
Hexachlorobutadiene		ND	ND	6.9	ND	6.6	ND	6.1	ND	5.8	ND	5.5	ND	5.8
Propylene		ND	ND	10	ND	9.5	ND	8.7	ND	8.3	ND	7.9	ND	8.3
115-07-1		ND	ND	1.6	ND	1.5	ND	1.4	ND	1.3	ND	1.3	ND	1.3
106-99-0		ND	ND	2.1	ND	2.0	ND	1.8	ND	1.7	ND	1.6	ND	1.7
1,3-Butadiene		ND	ND	2.2	ND	2.1	ND	1.9	ND	1.8	ND	1.8	ND	1.8
Acetone	180	E	44	2.2	23	2.1	4.3	1.9	8.8	1.8	2.6	2.5	2.5	1.8
Carbon Disulfide		ND	ND	2.9	ND	2.8	ND	2.6	ND	2.4	ND	2.3	ND	2.4
2-Propanol	35	ND	20	2.3	11	2.2	ND	2.0	ND	1.9	ND	1.8	ND	1.9
trans-1,2-Dichloroethene		ND	ND	3.7	ND	3.5	ND	3.2	ND	3.1	ND	3.0	ND	3.1
trans-1,2-Dichloroethene (Methyl Ethyl Ketone)		ND	ND	3.7	ND	3.5	ND	3.2	ND	3.1	ND	3.0	ND	3.1
78-93-3	6.7	ND	3.1	2.6	ND	2.6	ND	2.4	ND	2.3	ND	2.2	ND	2.3
Hexane	29	ND	ND	3.3	ND	3.2	ND	2.9	ND	2.7	ND	2.6	ND	2.7
110-54-3		ND	ND	2.8	ND	2.6	ND	2.4	ND	2.3	ND	2.2	ND	2.3
Tetrahydrofuran		ND	ND	2.8	ND	2.6	ND	2.4	ND	2.3	ND	2.2	ND	2.3
Cyclohexane	6.7	ND	ND	3.2	ND	3.1	ND	2.8	ND	2.7	ND	2.6	ND	2.7
1,4-Dioxane		ND	ND	3.4	ND	3.2	ND	3.0	ND	2.8	ND	2.7	ND	2.8
Bromodichloromethane		ND	ND	6.3	ND	6.0	ND	5.5	ND	5.2	ND	5.0	ND	5.2
4-Methyl-2-pentanone		ND	ND	3.8	ND	3.7	ND	3.4	ND	3.2	ND	3.0	ND	3.2
2-Hexanone		ND	ND	3.8	ND	3.7	ND	3.4	ND	3.2	ND	3.0	ND	3.2
Dibromochloromethane		ND	ND	8.0	ND	7.6	ND	7.0	ND	6.6	ND	6.3	ND	6.6
Bromoform		ND	ND	9.7	ND	9.2	ND	8.5	ND	8.0	ND	7.7	ND	8.0
4-Ethyltoluene		ND	ND	4.6	ND	4.4	ND	4.0	ND	3.8	ND	3.7	ND	3.8
Ethanol	8.1													
64-17-5		ND	92	1.8	120	1.7	2.8	1.5	5.0	1.5	24	5.2	5.2	1.5
Methyl tert-butyl ether		ND	ND	3.4	ND	3.2	ND	3.0	ND	2.8	ND	2.7	ND	2.8
Heptane		ND	ND	3.8	ND	3.7	ND	3.4	ND	3.2	ND	3.0	ND	3.2
Naphthalene	5													
91-20-3		ND	ND	4.8	ND	4.7	ND	4.3	ND	4.1	4.8	3.9	ND	4.1
2-Methylpentane	7.9	J	ND	3.3	ND	3.2	ND	2.9	ND	2.7	ND	2.6	ND	2.7
Isopentane	5.1		ND	2.8	ND	2.6	ND	2.4	ND	2.3	ND	2.2	ND	2.3
2,3-Dimethylpentane		ND	ND	3.8	ND	3.7	ND	3.4	ND	3.2	ND	3.0	ND	3.2
2,2,4-Trimethylpentane		ND	ND	4.4	ND	4.2	ND	3.8	ND	3.6	ND	3.5	ND	3.6
Indene		ND	ND	4.5	ND	4.3	ND	3.9	ND	3.7	ND	3.5	ND	3.7
95-13-6		ND	ND	4.5	ND	4.3	ND	4.0	ND	3.7	ND	3.6	ND	3.7
496-11-7		ND	ND	3.2	ND	3.1	ND	2.8	ND	2.7	ND	2.6	ND	2.7
110-02-1		ND	ND	3.2	ND	3.1	ND	2.8	ND	2.7	ND	2.6	ND	2.7
Thiophene		ND	ND	3.2	ND	3.1	ND	2.8	ND	2.7	ND	2.6	ND	2.7

APPENDIX I

**CONSOLIDATED EDISON
SAMPLING LOCATIONS**



TRC TRC ENVIRONMENTAL CORPORATION 1200 Wall Street West, 2nd Floor Lyndhurst, New Jersey 07071				Prepared By: JZ	Date: 12/30/04
				Drawn By: REA	Scale: 1" = 10'
				File Name: FIGURE 2	Project Number: Figures 1.dwg
				Drawing Title: 524 West 19th Street Second Floor Indoor Air Sample Locations	Project Number: 41318-0700-20000

APPENDIX J

EMTEQUE
SAMPLING LOCATIONS



EMTEQUE

EMTEQUE Corporation
Environmental
Engineering & Consulting

505 Eighth Avenue, Suite 900
New York, N.Y. 10018
Tel: (212) 631-9000
Fax: (212) 631-8066
E-MAIL: info@emteque.com

REV.	DATE	DESCRIPTION

CHECK/POWER

Turner Construction
375 Hudson Street
6th Floor
New York, NY 10014

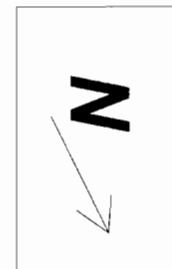
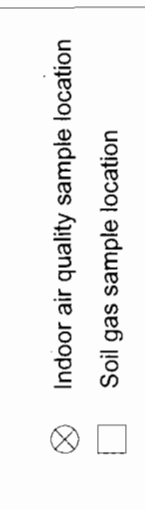
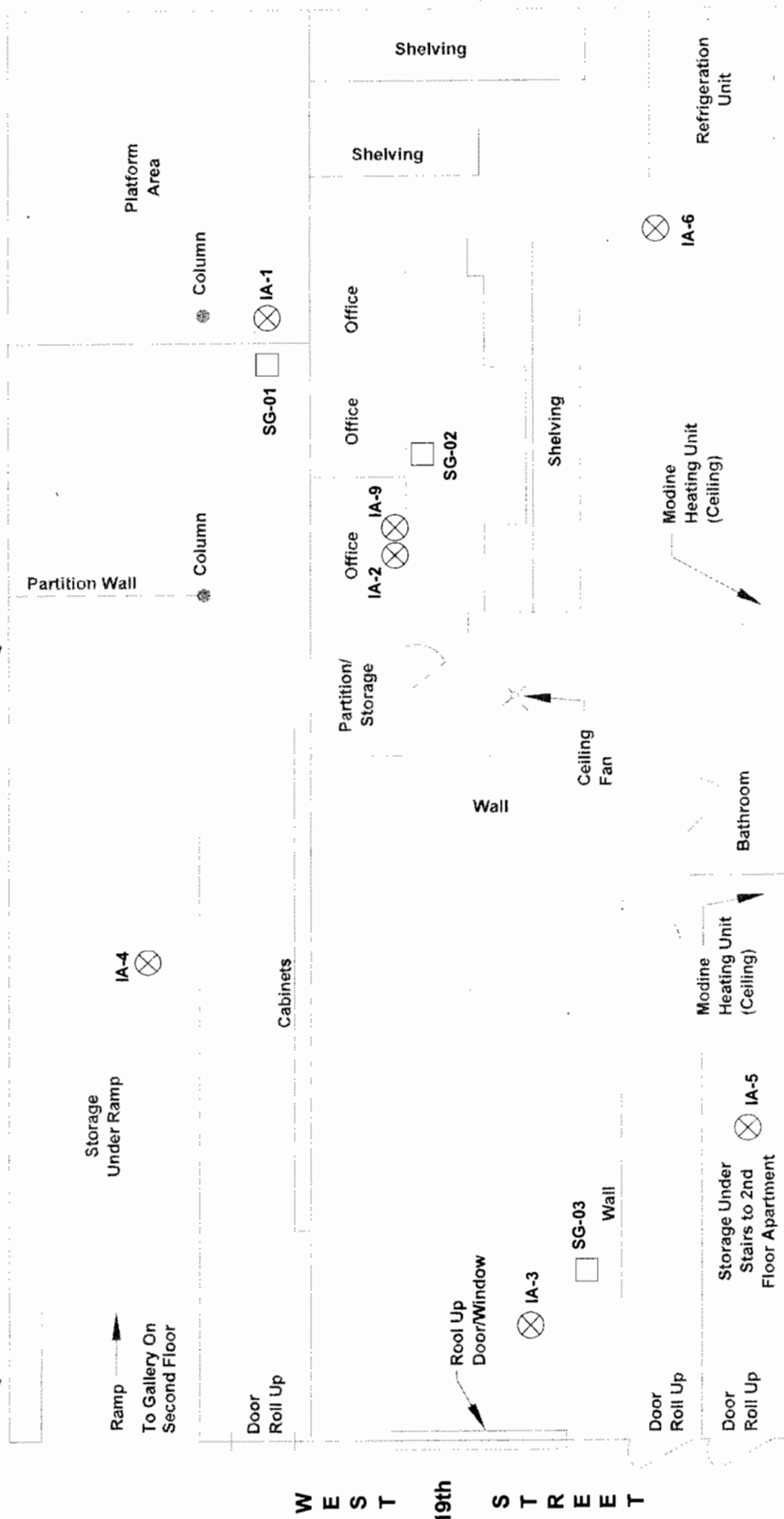
PROJECT LOCATION

Gasser Building
524 W 19th Street
New York, NY 10011

DATE/TITLE

Air Sampling
Locations

DATE	SCALE	PROJECT NO.	CREATED BY	CHECKED BY	PHASE
5/27/05	NTS	04-2147	NAF		PH-1





EMTEQUE

EMTEQUE Corporation
Environmental
Engineering & Consulting

505 Eighth Avenue, Suite 900
New York, N.Y. 10018
Tel: (212) 631-9000
Fax: (212) 631-8066
E-MAIL: info@emteque.com

REV.	DATE	DESCRIPTION

Turner Construction
375 Hudson Street
6th Floor
New York, NY 10014

PROJECT LOCATION

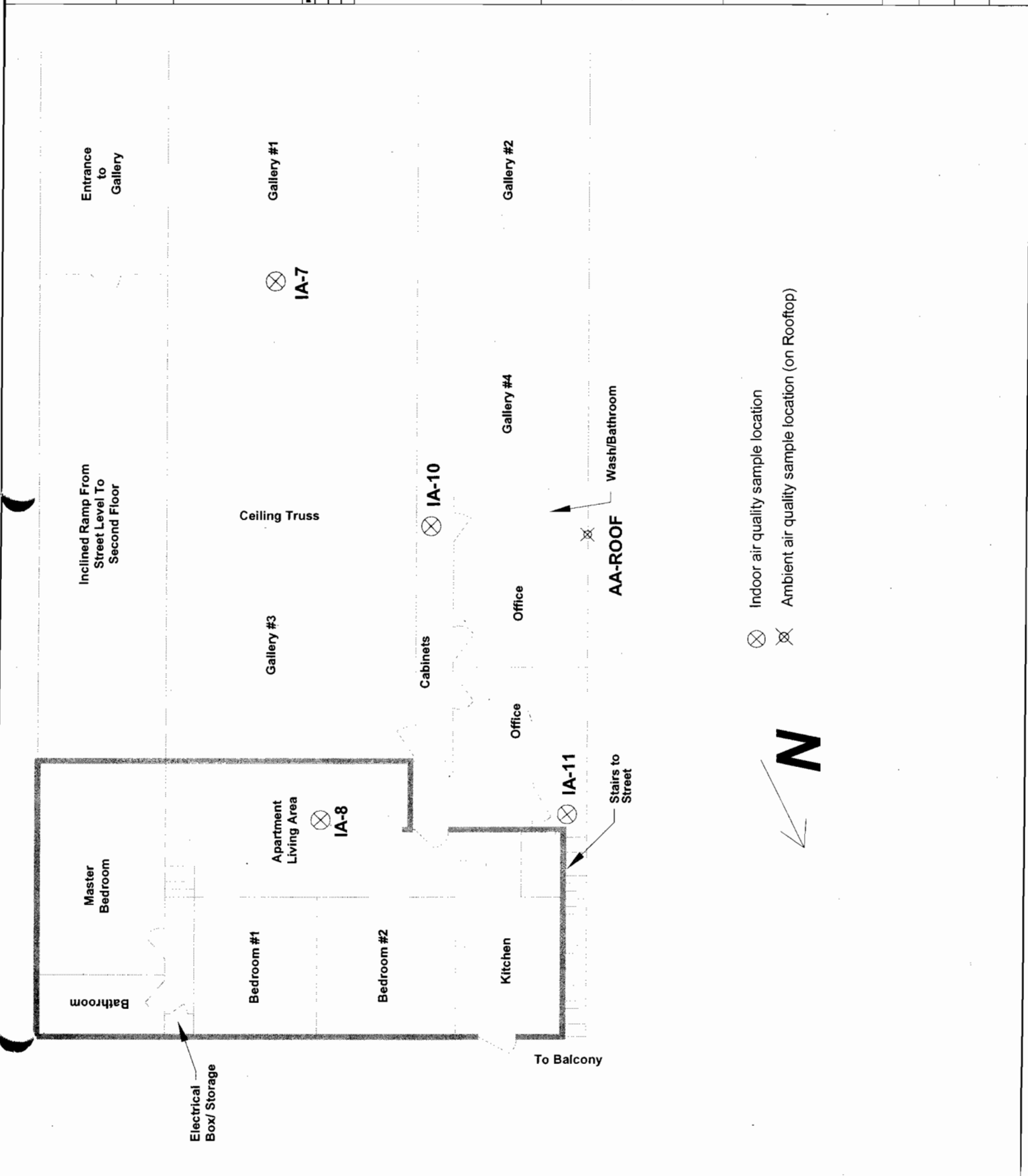
Gasser Building
524 W 19th Street
New York, NY 10011

DATE

**Air Sampling
Locations**

DATE	5/27/05	SCALE	NTS
PROJECT NO.	04-2147	DESIGNED BY	NAF
DATE	5/27/05	SCALE	NTS
PROJECT NO.	04-2147	DESIGNED BY	NAF
DATE	5/27/05	SCALE	NTS
PROJECT NO.	04-2147	DESIGNED BY	NAF

PH-2



APPENDIX K

**PHASE II SAMPLING
ANALYTICAL RESULTS**



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020

Hours 8:00 A.M to 6:00 P.M. Pacific

E-mail to:samlereceiving@airtoxics.com



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0502277R1

Work Order Summary

CLIENT: Mr. Neil Feldscher
Emteque Corporation
508 8th Avenue Suite 900
New York, NY 10018

BILL TO: Mr. Neil Feldscher
Emteque Corporation
508 8th Avenue Suite 900
New York, NY 10018

PHONE: 212-631-9000

P.O. #

FAX: 212-631-8066

PROJECT # 04-2147 Turner W. 19th St.

DATE RECEIVED: 02/14/2005

CONTACT: Ausha Scott

DATE COMPLETED:

DATE REISSUED: 3/3/05

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT</u> <u>VAC./PRES.</u>
01A	PH2-021205-SG1	Modified TO-15/TICs	7.0 "Hg
02A	PH2-021205-SG2	Modified TO-15/TICs	7.0 "Hg
03A	PH2-021205-SG3	Modified TO-15/TICs	7.0 "Hg
04A	PH2-021205-IA1	Modified TO-15/TICs	7.0 "Hg
05A	PH2-021205-IA2	Modified TO-15/TICs	8.0 "Hg
06A	PH2-021205-IA3	Modified TO-15/TICs	7.5 "Hg
07A	PH2-021205-IA4	Modified TO-15/TICs	7.0 "Hg
08A	PH2-021205-IA5	Modified TO-15/TICs	6.5 "Hg
09A	PH2-021205-IA6	Modified TO-15/TICs	8.0 "Hg
10A	PH2-021205-IA7	Modified TO-15/TICs	8.5 "Hg
11A	PH2-021205-IA8	Modified TO-15/TICs	8.0 "Hg
12A	PH2-021205-IA9	Modified TO-15/TICs	7.0 "Hg
13A	PH2-021205-IA10	Modified TO-15/TICs	8.0 "Hg
14A	PH2-021205-IA11	Modified TO-15/TICs	7.5 "Hg
15A	PH2-021205-AA2	Modified TO-15/TICs	7.0 "Hg
16A	PH2-021205-AA3	Modified TO-15/TICs	8.0 "Hg
17A	PH2-021205-AA4	Modified TO-15/TICs	7.5 "Hg

Continued on next page



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0502277R1

Work Order Summary

CLIENT: Mr. Neil Feldscher
Emteque Corporation
508 8th Avenue Suite 900
New York, NY 10018

BILL TO: Mr. Neil Feldscher
Emteque Corporation
508 8th Avenue Suite 900
New York, NY 10018

PHONE: 212-631-9000

P.O. #

FAX: 212-631-8066

PROJECT # 04-2147 Turner W. 19th St.

DATE RECEIVED: 02/14/2005

CONTACT: Ausha Scott

DATE COMPLETED:

DATE REISSUED: 3/3/05

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
17AA	PH2-021205-AA4 Duplicate	Modified TO-15/TICs	7.5 "Hg
18A	Lab Blank	Modified TO-15/TICs	NA
18B	Lab Blank	Modified TO-15/TICs	NA
19A	CCV	Modified TO-15/TICs	NA
19B	CCV	Modified TO-15/TICs	NA
20A	LCS	Modified TO-15/TICs	NA
20B	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:

Laboratory Director

DATE: 03/03/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Emteque Corporation
Workorder# 0502277R1

Seventeen 6 Liter Summa Special (100% Certified) samples were received on February 14, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Blank and standards	Zero air	Nitrogen
Dilutions for initial calibration	Dynamic dilutions or static using canisters.	Syringe dilutions may also be utilized.
BFB acceptance criteria	CLP protocol	SW-846 protocol
Daily Calibration	+/- 30% Difference	$\leq 30\%$ Difference with four allowed out up to $\leq 40\%$.; flag and narrate outliers
ICAL %RSD acceptance criteria	+/- 30% RSD with 2 compounds allowed out to $< 40\%$ RSD	30% RSD with 4 compounds allowed out to $< 40\%$ RSD
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request

Receiving Notes

The Chain of Custody (COC) information for samples PH2-021205-IA6, PH2-021205-IA7 and PH2-021205-IA8 did not match the entries on the sample tags with regard to sample identification. The discrepancy was noted in the Sample Receipt Confirmation email/fax and the information on the COC was used to process and report the samples.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reported CCV for each daily batch may be derived from more than one individual analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

THE WORKORDER WAS REISSUED ON 3/3/05 TO AMEND THE RESULT OF NAPHTHALENE

FOR SAMPLE PH2-021205-SG3.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UI- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-SG1

ID#: 0502277R1-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022314	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/24/05 12:50 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.54	0.86	2.7
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	Not Detected	0.36	Not Detected
Vinyl Chloride	0.18	Not Detected	0.45	Not Detected
Bromomethane	0.18	Not Detected	0.68	Not Detected
Chloroethane	0.18	Not Detected	0.46	Not Detected
Freon 11	0.18	0.26	0.98	1.4
1,1-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Freon 113	0.18	Not Detected	1.3	Not Detected
Methylene Chloride	0.18	2.6	0.61	8.9
1,1-Dichloroethane	0.18	Not Detected	0.71	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Chloroform	0.18	0.55	0.85	2.7
1,1,1-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	Not Detected	0.56	Not Detected
1,2-Dichloroethane	0.18	Not Detected	0.71	Not Detected
Trichloroethene	0.18	Not Detected	0.94	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.81	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
Toluene	0.18	0.28	0.66	1.0
trans-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Tetrachloroethene	0.18	0.53	1.2	3.6
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.3	Not Detected
Chlorobenzene	0.18	Not Detected	0.80	Not Detected
Ethyl Benzene	0.18	Not Detected	0.76	Not Detected
m,p-Xylene	0.18	0.17 J	0.76	0.73 J
o-Xylene	0.18	Not Detected	0.76	Not Detected
Styrene	0.18	0.38	0.74	1.6
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.86	Not Detected
1,2,4-Trimethylbenzene	0.18	Not Detected	0.86	Not Detected
1,3-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.90	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.88	Not Detected	6.5	Not Detected
Hexachlorobutadiene	0.88	Not Detected	9.3	Not Detected
Propylene	0.88	Not Detected	1.5	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Acetone	0.88	1.1	2.1	2.5

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-SG1

ID#: 0502277R1-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022314	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/24/05 12:50 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
2-Propanol	0.88	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	Not Detected	2.6	Not Detected
Hexane	0.88	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
1,4-Dioxane	0.88	Not Detected	3.2	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	0.88	Not Detected	3.6	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
Ethanol	0.88	Not Detected	1.6	Not Detected
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Naphthalene	0.88	Not Detected	4.6	Not Detected
2-Methylpentane	0.88	Not Detected	3.1	Not Detected
Isopentane	0.88	Not Detected	2.6	Not Detected
2,3-Dimethylpentane	0.88	Not Detected	3.6	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Indene	0.88	Not Detected	4.2	Not Detected
Indan	0.88	Not Detected	4.2	Not Detected
Thiophene	0.88	Not Detected	3.0	Not Detected

J = Estimated value.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Dodecanoic acid, tricosafuoro-	307-55-1	90%	11 N J
Acetaldehyde	75-07-0	5.0%	2.0 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	95	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-SG2

ID#: 0502277R1-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022515	Date of Collection:	2/12/05
Dil. Factor:	4380	Date of Analysis:	2/25/05 12:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	440	Not Detected	2200	Not Detected
Freon 114	440	Not Detected	3000	Not Detected
Chloromethane	440	Not Detected	900	Not Detected
Vinyl Chloride	440	Not Detected	1100	Not Detected
Bromomethane	440	Not Detected	1700	Not Detected
Chloroethane	440	Not Detected	1200	Not Detected
Freon 11	440	Not Detected	2400	Not Detected
1,1-Dichloroethene	440	Not Detected	1700	Not Detected
Freon 113	440	Not Detected	3400	Not Detected
Methylene Chloride	440	Not Detected	1500	Not Detected
1,1-Dichloroethane	440	Not Detected	1800	Not Detected
cis-1,2-Dichloroethene	440	Not Detected	1700	Not Detected
Chloroform	440	Not Detected	2100	Not Detected
1,1,1-Trichloroethane	440	Not Detected	2400	Not Detected
Carbon Tetrachloride	440	Not Detected	2800	Not Detected
Benzene	440	1400	1400	4400
1,2-Dichloroethane	440	Not Detected	1800	Not Detected
Trichloroethene	440	Not Detected	2400	Not Detected
1,2-Dichloropropane	440	Not Detected	2000	Not Detected
cis-1,3-Dichloropropene	440	Not Detected	2000	Not Detected
Toluene	440	570	1600	2100
trans-1,3-Dichloropropene	440	Not Detected	2000	Not Detected
1,1,2-Trichloroethane	440	Not Detected	2400	Not Detected
Tetrachloroethene	440	Not Detected	3000	Not Detected
1,2-Dibromoethane (EDB)	440	Not Detected	3400	Not Detected
Chlorobenzene	440	Not Detected	2000	Not Detected
Ethyl Benzene	440	Not Detected	1900	Not Detected
m,p-Xylene	440	Not Detected	1900	Not Detected
o-Xylene	440	Not Detected	1900	Not Detected
Styrene	440	Not Detected	1900	Not Detected
1,1,2,2-Tetrachloroethane	440	Not Detected	3000	Not Detected
1,3,5-Trimethylbenzene	440	Not Detected	2200	Not Detected
1,2,4-Trimethylbenzene	440	Not Detected	2200	Not Detected
1,3-Dichlorobenzene	440	Not Detected	2600	Not Detected
1,4-Dichlorobenzene	440	Not Detected	2600	Not Detected
alpha-Chlorotoluene	440	Not Detected	2300	Not Detected
1,2-Dichlorobenzene	440	Not Detected	2600	Not Detected
1,2,4-Trichlorobenzene	2200	Not Detected	16000	Not Detected
Hexachlorobutadiene	2200	Not Detected	23000	Not Detected
Propylene	2200	Not Detected	3800	Not Detected
1,3-Butadiene	2200	Not Detected	4800	Not Detected
Acetone	2200	2900	5200	6900

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-SG2

ID#: 0502277R1-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022515	Date of Collection:	2/12/05
Dil. Factor:	4380	Date of Analysis:	2/25/05 12:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	2200	Not Detected	6800	Not Detected
2-Propanol	2200	3800	5400	9500
trans-1,2-Dichloroethene	2200	Not Detected	8700	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2200	Not Detected	6400	Not Detected
Hexane	2200	Not Detected	7700	Not Detected
Tetrahydrofuran	2200	Not Detected	6400	Not Detected
Cyclohexane	2200	70000	7500	240000
1,4-Dioxane	2200	Not Detected	7900	Not Detected
Bromodichloromethane	2200	Not Detected	15000	Not Detected
4-Methyl-2-pentanone	2200	Not Detected	9000	Not Detected
2-Hexanone	2200	4100	9000	17000
Dibromochloromethane	2200	Not Detected	19000	Not Detected
Bromoform	2200	Not Detected	23000	Not Detected
4-Ethyltoluene	2200	Not Detected	11000	Not Detected
Ethanol	2200	9300	4100	17000
Methyl tert-butyl ether	2200	Not Detected	7900	Not Detected
Heptane	2200	6400	9000	26000
Naphthalene	2200	Not Detected	11000	Not Detected
2-Methylpentane	2200	7800	7700	27000
Isopentane	2200	Not Detected	6400	Not Detected
2,3-Dimethylpentane	2200	39000	9000	160000
2,2,4-Trimethylpentane	2200	66000	10000	310000
Indene	2200	Not Detected	10000	Not Detected
Indan	2200	Not Detected	10000	Not Detected
Thiophene	2200	Not Detected	7500	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Cyclopentane, 1,3-dimethyl-, trans-	1759-58-6	68%	63000 N J
3-Heptene	592-78-9	87%	100000 N J
Cyclohexane, methyl-	108-87-2	80%	400000 N J
Heptane, 2-methyl-	592-27-8	80%	160000 N J
Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	94%	230000 N J
Cyclohexane, 1,4-dimethyl-	589-90-2	94%	94000 N J
1,4-Hexadiene, 2,3-dimethyl-	18669-52-8	64%	130000 N J
Cyclohexane, ethyl-	1678-91-7	72%	180000 N J
Cyclohexane, 1,1,3-trimethyl-	3073-66-3	50%	210000 N J
Unknown	NA	NA	110000 J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-SG2

ID#: 0502277R1-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022515	Date of Collection: 2/12/05
Dil. Factor:	4380	Date of Analysis: 2/25/05 12:14 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	132	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	107	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-SG3

ID#: 0502277R1-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022315	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/24/05 01:35 AM

Compound	Rot. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.36	0.86	1.8
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	Not Detected	0.36	Not Detected
Vinyl Chloride	0.18	Not Detected	0.45	Not Detected
Bromomethane	0.18	Not Detected	0.68	Not Detected
Chloroethane	0.18	Not Detected	0.46	Not Detected
Freon 11	0.18	Not Detected	0.98	Not Detected
1,1-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Freon 113	0.18	Not Detected	1.3	Not Detected
Methylene Chloride	0.18	Not Detected	0.61	Not Detected
1,1-Dichloroethane	0.18	Not Detected	0.71	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Chloroform	0.18	0.52	0.85	2.6
1,1,1-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	Not Detected	0.56	Not Detected
1,2-Dichloroethane	0.18	Not Detected	0.71	Not Detected
Trichloroethene	0.18	Not Detected	0.94	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.81	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
Toluene	0.18	0.48	0.66	1.8
trans-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Tetrachloroethene	0.18	1.3	1.2	9.0
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.3	Not Detected
Chlorobenzene	0.18	Not Detected	0.80	Not Detected
Ethyl Benzene	0.18	0.35	0.76	1.5
m,p-Xylene	0.18	0.55	0.76	2.4
o-Xylene	0.18	0.21	0.76	0.91
Styrene	0.18	0.30	0.74	1.3
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.86	Not Detected
1,2,4-Trimethylbenzene	0.18	0.22	0.86	1.0
1,3-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.18	0.17 J	1.0	1.0
alpha-Chlorotoluene	0.18	Not Detected	0.90	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.88	Not Detected	6.5	Not Detected
Hexachlorobutadiene	0.88	Not Detected	9.3	Not Detected
Propylene	0.88	Not Detected	1.5	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Acetone	0.88	3.1	2.1	7.3

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-SG3

ID#: 0502277R1-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022315	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/24/05 01:35 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.88	3.2	2.7	9.8
2-Propanol	0.88	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	Not Detected	2.6	Not Detected
Hexane	0.88	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
1,4-Dioxane	0.88	Not Detected	3.2	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	0.88	Not Detected	3.6	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
Ethanol	0.88	2.1	1.6	3.9
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Naphthalene	0.88	Not Detected	4.6	Not Detected
2-Methylpentane	0.88	Not Detected	3.1	Not Detected
Isopentane	0.88	Not Detected	2.6	Not Detected
2,3-Dimethylpentane	0.88	Not Detected	3.6	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Indene	0.88	Not Detected	4.2	Not Detected
Indan	0.88	Not Detected	4.2	Not Detected
Thiophene	0.88	Not Detected	3.0	Not Detected

J = Estimated value.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	3.9 J
Decanoic acid, nonadecafluoro-	335-76-2	45%	14 N J
Acetaldehyde	75-07-0	9.0%	4.1 N J
2-Butanone, 3-methyl-	563-80-4	9.0%	2.1 N J
Benzenesulfonic acid, 4-methyl-, [2-(met	56667-03-9	56%	2.3 N J
Propanoic acid, 2-methyl-, butyl ester	97-87-0	78%	3.7 N J
Octadecane, 2-methyl-	1560-88-9	50%	2.0 N J
Unknown	NA	NA	2.0 J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
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AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-SG3

ID#: 0502277R1-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022315	Date of Collection: 2/12/05
Dil. Factor:	1.75	Date of Analysis: 2/24/05 01:35 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	103	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA1

ID#: 0502277R1-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022316	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/24/05 02:26 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.51	0.86	2.5
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.44	0.36	0.90
Vinyl Chloride	0.18	Not Detected	0.45	Not Detected
Bromomethane	0.18	Not Detected	0.68	Not Detected
Chloroethane	0.18	Not Detected	0.46	Not Detected
Freon 11	0.18	0.26	0.98	1.4
1,1-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Freon 113	0.18	Not Detected	1.3	Not Detected
Methylene Chloride	0.18	0.49	0.61	1.7
1,1-Dichloroethane	0.18	Not Detected	0.71	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Chloroform	0.18	Not Detected	0.85	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	0.42	0.56	1.3
1,2-Dichloroethane	0.18	Not Detected	0.71	Not Detected
Trichloroethene	0.18	Not Detected	0.94	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.81	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
Toluene	0.18	1.0	0.66	3.9
trans-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.3	Not Detected
Chlorobenzene	0.18	Not Detected	0.80	Not Detected
Ethyl Benzene	0.18	0.32	0.76	1.4
m,p-Xylene	0.18	0.92	0.76	4.0
o-Xylene	0.18	0.38	0.76	1.6
Styrene	0.18	Not Detected	0.74	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.86	Not Detected
1,2,4-Trimethylbenzene	0.18	0.39	0.86	1.9
1,3-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.90	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.88	Not Detected	6.5	Not Detected
Hexachlorobutadiene	0.88	Not Detected	9.3	Not Detected
Propylene	0.88	Not Detected	1.5	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Acetone	0.88	33	2.1	78

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA1

ID#: 0502277R1-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022316	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/24/05 02:26 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
2-Propanol	0.88	1.1	2.2	2.7
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	4.0	2.6	12
Hexane	0.88	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
1,4-Dioxane	0.88	Not Detected	3.2	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	0.88	Not Detected	3.6	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
Ethanol	0.88	7.7	1.6	14
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Naphthalene	0.88	Not Detected	4.6	Not Detected
2-Methylpentane	0.88	Not Detected	3.1	Not Detected
Isopentane	0.88	1.0	2.6	3.1
2,3-Dimethylpentane	0.88	Not Detected	3.6	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Indene	0.88	Not Detected	4.2	Not Detected
Indan	0.88	Not Detected	4.2	Not Detected
Thiophene	0.88	Not Detected	3.0	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	64%	4.1 N J
Unknown	NA	NA	9.9 J
Unknown	NA	NA	5.5 J
Acetaldehyde	75-07-0	5.0%	11 N J
Propanal	123-38-6	50%	4.0 N J
Unknown	NA	NA	2.8 J
1-Hexyn-3-ol	105-31-7	59%	5.7 N J
Unknown	NA	NA	3.7 J
Cyclotetrasiloxane, octamethyl-	556-67-2	78%	2.0 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
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AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A1

ID#: 0502277R1-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022316	Date of Collection: 2/12/05
Dil. Factor:	1.75	Date of Analysis: 2/24/05 02:26 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	100	70-130
Toluene-d8	99	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA2

ID#: 0502277R1-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022317	Date of Collection:	2/12/05
Dil. Factor:	1.83	Date of Analysis:	2/24/05 03:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.59	0.90	2.9
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.48	0.38	0.98
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.26	1.0	1.4
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.85	0.64	2.9
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	0.19	1.2	1.2
Benzene	0.18	2.5	0.58	8.0
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	2.4	0.69	9.1
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	1.4	0.79	6.3
m,p-Xylene	0.18	5.1	0.79	22
o-Xylene	0.18	2.8	0.79	12
Styrene	0.18	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.46	0.90	2.2
1,2,4-Trimethylbenzene	0.18	1.2	0.90	5.8
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	22	2.2	52

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A2

ID#: 0502277R1-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022317	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/24/05 03:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	1.6	2.2	4.0
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Hexane	0.92	2.6	3.2	9.1
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	1.2	3.1	4.0
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	0.94	4.5	4.6
Ethanol	0.92	23	1.7	44
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected	4.8	Not Detected
2-Methylpentane	0.92	3.9	3.2	14
Isopentane	0.92	8.2	2.7	24
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	2.0	4.3	9.6
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	9.0%	4.3 N J
Unknown	NA	NA	3.9 J
Butane	106-97-8	64%	8.5 N J
Acetaldehyde	75-07-0	9.0%	7.5 N J
Pentane	109-66-0	86%	9.7 N J
Pentane, 3-methyl-	96-14-0	72%	8.4 N J
Cyclopentane, methyl-	96-37-7	72%	4.3 N J
Hexane, 2-methyl-	591-76-4	80%	4.2 N J
Cyclotetrasiloxane, octamethyl-	556-67-2	78%	12 N J
Dodecane	112-40-3	53%	4.8 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A2

ID#: 0502277R1-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022317	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/24/05 03:06 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	95	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA3

ID#: 0502277R1-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022318	Date of Collection:	2/12/05
Dil. Factor:	1.79	Date of Analysis:	2/24/05 04:00 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.57	0.88	2.8
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.45	0.37	0.92
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
Bromomethane	0.18	Not Detected	0.70	Not Detected
Chloroethane	0.18	Not Detected	0.47	Not Detected
Freon 11	0.18	0.26	1.0	1.5
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.40	0.62	1.4
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Chloroform	0.18	Not Detected	0.87	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	0.58	0.57	1.9
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Trichloroethene	0.18	Not Detected	0.96	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
Toluene	0.18	1.5	0.67	5.8
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	0.18	1.2	1.2
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	0.86	0.78	3.8
m,p-Xylene	0.18	3.0	0.78	13
o-Xylene	0.18	1.6	0.78	6.8
Styrene	0.18	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.22	0.88	1.1
1,2,4-Trimethylbenzene	0.18	0.74	0.88	3.6
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected
Propylene	0.90	Not Detected	1.5	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Acetone	0.90	11	2.1	27

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A3

ID#: 0502277R1-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022318	Date of Collection:	2/12/05
Dil. Factor:	1.79	Date of Analysis:	2/24/05 04:00 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	0.90	1.1	2.2	2.8
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
Hexane	0.90	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected
1,4-Dioxane	0.90	Not Detected	3.2	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	0.90	14	1.7	26
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
Heptane	0.90	Not Detected	3.7	Not Detected
Naphthalene	0.90	Not Detected	4.7	Not Detected
2-Methylpentane	0.90	Not Detected	3.2	Not Detected
Isopentane	0.90	1.2	2.6	3.5
2,3-Dimethylpentane	0.90	Not Detected	3.7	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Indene	0.90	Not Detected	4.2	Not Detected
Indan	0.90	Not Detected	4.3	Not Detected
Thiophene	0.90	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	9.0%	4.2 N J
Unknown	NA	NA	3.4 J
Butane	106-97-8	53%	4.4 N J
Acetaldehyde	75-07-0	7.0%	6.0 N J
Cyclotetrasiloxane, octamethyl-	556-67-2	56%	5.1 N J
Nonane, 2,5-dimethyl-	17302-27-1	70%	2.8 N J
Benzeneacetic acid, .alpha.,4-bis[(trime	55334-40-2	50%	2.2 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	105	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A3

ID#: 0502277R1-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022318	Date of Collection: 2/12/05
Dil. Factor:	1.79	Date of Analysis: 2/24/05 04:00 AM

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A4

ID#: 0502277R1-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022319	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/24/05 04:49 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.57	0.86	2.8
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.42	0.36	0.86
Vinyl Chloride	0.18	Not Detected	0.45	Not Detected
Bromomethane	0.18	Not Detected	0.68	Not Detected
Chloroethane	0.18	Not Detected	0.46	Not Detected
Freon 11	0.18	0.29	0.98	1.6
1,1-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Freon 113	0.18	Not Detected	1.3	Not Detected
Methylene Chloride	0.18	Not Detected	0.61	Not Detected
1,1-Dichloroethane	0.18	Not Detected	0.71	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Chloroform	0.18	Not Detected	0.85	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	0.62	0.56	2.0
1,2-Dichloroethane	0.18	Not Detected	0.71	Not Detected
Trichloroethene	0.18	Not Detected	0.94	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.81	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
Toluene	0.18	1.6	0.66	5.8
trans-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.3	Not Detected
Chlorobenzene	0.18	Not Detected	0.80	Not Detected
Ethyl Benzene	0.18	0.50	0.76	2.2
m,p-Xylene	0.18	1.2	0.76	5.3
o-Xylene	0.18	0.56	0.76	2.4
Styrene	0.18	Not Detected	0.74	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.18	0.86	0.89
1,2,4-Trimethylbenzene	0.18	0.52	0.86	2.5
1,3-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.90	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.88	Not Detected	6.5	Not Detected
Hexachlorobutadiene	0.88	Not Detected	9.3	Not Detected
Propylene	0.88	Not Detected	1.5	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Acetone	0.88	8.4	2.1	20

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A4

ID#: 0502277R1-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022319	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/24/05 04:49 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
2-Propanol	0.88	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	0.90	2.6	2.6
Hexane	0.88	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
1,4-Dioxane	0.88	Not Detected	3.2	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	0.88	Not Detected	3.6	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
Ethanol	0.88	8.8	1.6	17
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Naphthalene	0.88	Not Detected	4.6	Not Detected
2-Methylpentane	0.88	0.99	3.1	3.5
Isopentane	0.88	5.2	2.6	16
2,3-Dimethylpentane	0.88	Not Detected	3.6	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Indene	0.88	Not Detected	4.2	Not Detected
Indan	0.88	Not Detected	4.2	Not Detected
Thiophene	0.88	Not Detected	3.0	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	56%	3.2
Unknown	NA	NA	20
Butane	106-97-8	80%	17
2-Butene, (Z)-	590-18-1	58%	2.7
Acetaldehyde	75-07-0	5.0%	5.3
Pentane	109-66-0	64%	5.0
Unknown	NA	NA	1.8
Benzaldehyde	100-52-7	91%	3.2

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A4

ID#: 0502277R1-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022319	Date of Collection: 2/12/05
Dil. Factor:	1.75	Date of Analysis: 2/24/05 04:49 AM

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	100	70-130
Toluene-d8	98	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA5

ID#: 0502277R1-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022320	Date of Collection: 2/12/05
Dil. Factor:	1.71	Date of Analysis: 2/24/05 05:28 AM

Compound	Rot. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.17	0.56	0.84	2.8
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	0.51	0.35	1.0
Vinyl Chloride	0.17	Not Detected	0.44	Not Detected
Bromomethane	0.17	Not Detected	0.66	Not Detected
Chloroethane	0.17	Not Detected	0.45	Not Detected
Freon 11	0.17	0.27	0.96	1.5
1,1-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Freon 113	0.17	Not Detected	1.3	Not Detected
Methylene Chloride	0.17	0.65	0.59	2.2
1,1-Dichloroethane	0.17	Not Detected	0.69	Not Detected
cis-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Chloroform	0.17	Not Detected	0.83	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Carbon Tetrachloride	0.17	Not Detected	1.1	Not Detected
Benzene	0.17	0.58	0.55	1.8
1,2-Dichloroethane	0.17	Not Detected	0.69	Not Detected
Trichloroethene	0.17	Not Detected	0.92	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.79	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
Toluene	0.17	2.3	0.64	8.6
trans-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Tetrachloroethene	0.17	0.24	1.2	1.6
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.79	Not Detected
Ethyl Benzene	0.17	1.2	0.74	5.4
m,p-Xylene	0.17	4.5	0.74	20
o-Xylene	0.17	2.2	0.74	9.8
Styrene	0.17	Not Detected	0.73	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.17	0.40	0.84	1.9
1,2,4-Trimethylbenzene	0.17	1.0	0.84	5.0
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.17	Not Detected	0.88	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.86	Not Detected	6.3	Not Detected
Hexachlorobutadiene	0.86	Not Detected	9.1	Not Detected
Propylene	0.86	Not Detected	1.5	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Acetone	0.86	20	2.0	47

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA5

ID#: 0502277R1-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022320	Date of Collection: 2/12/05
Dil. Factor:	1.71	Date of Analysis: 2/24/05 05:28 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
2-Propanol	0.86	2.2	2.1	5.4
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	0.90	2.5	2.7
Hexane	0.86	0.96	3.0	3.4
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected
1,4-Dioxane	0.86	Not Detected	3.1	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	0.86	Not Detected	3.5	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	0.86	28	1.6	54
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
Heptane	0.86	Not Detected	3.5	Not Detected
Naphthalene	0.86	Not Detected	4.5	Not Detected
2-Methylpentane	0.86	Not Detected	3.0	Not Detected
Isopentane	0.86	2.5	2.5	7.4
2,3-Dimethylpentane	0.86	Not Detected	3.5	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Indene	0.86	Not Detected	4.1	Not Detected
Indan	0.86	Not Detected	4.1	Not Detected
Thiophene	0.86	Not Detected	2.9	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA6

ID#: 0502277R1-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022321	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/24/05 06:07 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.52	0.90	2.6
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.64	0.38	1.3
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.27	1.0	1.5
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.74	0.64	2.6
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	0.69	0.58	2.2
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	3.6	0.69	13
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	2.3	0.79	10
m,p-Xylene	0.18	8.2	0.79	36
o-Xylene	0.18	4.2	0.79	18
Styrene	0.18	0.19	0.78	0.81
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.90	0.90	4.4
1,2,4-Trimethylbenzene	0.18	2.7	0.90	13
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	41	2.2	98

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A6

ID#: 0502277RI-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022321	Date of Collection:	2/12/05
Dil. Factor:	1.83	Date of Analysis:	2/24/05 06:07 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	2.8	2.8	8.6
2-Propanol	0.92	2.1	2.2	5.2
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	1.1	2.7	3.3
Hexane	0.92	2.1	3.2	7.5
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	2.2	4.5	11
Ethanol	0.92	32	1.7	61
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected	4.8	Not Detected
2-Methylpentane	0.92	0.98	3.2	3.5
Isopentane	0.92	1.7	2.7	5.0
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	1.0	4.4	5.1
Thiophene	0.92	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	2.0%	8.7 N J
Unknown	NA	NA	3.9 J
Butane	106-97-8	53%	7.3 N J
Acetaldehyde	75-07-0	80%	12 N J
Pentane, 3-methyl-	96-14-0	56%	2.8 N J
.alpha.-Pinene	80-56-8	86%	2.1 N J
Cyclotetrasiloxane, octamethyl-	556-67-2	64%	11 N J
Benzene, 1-ethyl-2-methyl-	611-14-3	87%	2.7 N J
Undecane	1120-21-4	74%	3.2 N J
Unknown	NA	NA	5.1 J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA6

ID#: 0502277R1-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022321	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/24/05 06:07 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	109	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A7

ID#: 0502277R1-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022322	Date of Collection:	2/12/05
Dil. Factor:	1.87	Date of Analysis:	2/24/05 06:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.19	0.60	0.92	3.0
Freon 114	0.19	Not Detected	1.3	Not Detected
Chloromethane	0.19	0.59	0.39	1.2
Vinyl Chloride	0.19	Not Detected	0.48	Not Detected
Bromomethane	0.19	Not Detected	0.73	Not Detected
Chloroethane	0.19	Not Detected	0.49	Not Detected
Freon 11	0.19	0.28	1.0	1.6
1,1-Dichloroethene	0.19	Not Detected	0.74	Not Detected
Freon 113	0.19	Not Detected	1.4	Not Detected
Methylene Chloride	0.19	Not Detected	0.65	Not Detected
1,1-Dichloroethane	0.19	Not Detected	0.76	Not Detected
cis-1,2-Dichloroethene	0.19	Not Detected	0.74	Not Detected
Chloroform	0.19	Not Detected	0.91	Not Detected
1,1,1-Trichloroethane	0.19	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.19	Not Detected	1.2	Not Detected
Benzene	0.19	0.69	0.60	2.2
1,2-Dichloroethane	0.19	Not Detected	0.76	Not Detected
Trichloroethene	0.19	Not Detected	1.0	Not Detected
1,2-Dichloropropane	0.19	Not Detected	0.86	Not Detected
cis-1,3-Dichloropropene	0.19	Not Detected	0.85	Not Detected
Toluene	0.19	1.0	0.70	3.8
trans-1,3-Dichloropropene	0.19	Not Detected	0.85	Not Detected
1,1,2-Trichloroethane	0.19	Not Detected	1.0	Not Detected
Tetrachloroethene	0.19	Not Detected	1.3	Not Detected
1,2-Dibromoethane (EDB)	0.19	Not Detected	1.4	Not Detected
Chlorobenzene	0.19	Not Detected	0.86	Not Detected
Ethyl Benzene	0.19	0.45	0.81	2.0
m,p-Xylene	0.19	1.8	0.81	7.7
o-Xylene	0.19	0.93	0.81	4.0
Styrene	0.19	Not Detected	0.80	Not Detected
1,1,2,2-Tetrachloroethane	0.19	Not Detected	1.3	Not Detected
1,3,5-Trimethylbenzene	0.19	0.22	0.92	1.1
1,2,4-Trimethylbenzene	0.19	0.55	0.92	2.7
1,3-Dichlorobenzene	0.19	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.19	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.19	Not Detected	0.97	Not Detected
1,2-Dichlorobenzene	0.19	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.94	Not Detected	6.9	Not Detected
Hexachlorobutadiene	0.94	Not Detected	10	Not Detected
Propylene	0.94	Not Detected	1.6	Not Detected
1,3-Butadiene	0.94	Not Detected	2.1	Not Detected
Acetone	0.94	10	2.2	24

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A7

ID#: 0502277R1-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022322	Date of Collection: 2/12/05
Dil. Factor:	1.87	Date of Analysis: 2/24/05 06:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.94	Not Detected	2.9	Not Detected
2-Propanol	0.94	2.6	2.3	6.5
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	Not Detected	2.8	Not Detected
Hexane	0.94	Not Detected	3.3	Not Detected
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
Cyclohexane	0.94	Not Detected	3.2	Not Detected
1,4-Dioxane	0.94	Not Detected	3.4	Not Detected
Bromodichloromethane	0.94	Not Detected	6.3	Not Detected
4-Methyl-2-pentanone	0.94	Not Detected	3.8	Not Detected
2-Hexanone	0.94	Not Detected	3.8	Not Detected
Dibromochloromethane	0.94	Not Detected	8.0	Not Detected
Bromoform	0.94	Not Detected	9.7	Not Detected
4-Ethyltoluene	0.94	Not Detected	4.6	Not Detected
Ethanol	0.94	48	1.8	91
Methyl tert-butyl ether	0.94	Not Detected	3.4	Not Detected
Heptane	0.94	Not Detected	3.8	Not Detected
Naphthalene	0.94	Not Detected	4.9	Not Detected
2-Methylpentane	0.94	Not Detected	3.3	Not Detected
Isopentane	0.94	1.0	2.8	3.1
2,3-Dimethylpentane	0.94	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.94	Not Detected	4.4	Not Detected
Indene	0.94	Not Detected	4.4	Not Detected
Indan	0.94	Not Detected	4.5	Not Detected
Thiophene	0.94	Not Detected	3.2	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	78%	2.4 N J
Unknown	NA	NA	3.3 J
Unknown	NA	NA	3.8 J
Acetaldehyde	75-07-0	5.0%	5.4 N J
Pentane	109-66-0	58%	2.1 N J
Unknown	NA	NA	2.1 J
Decane	124-18-5	52%	3.0 N J
Undecane	1120-21-4	81%	2.7 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A7

ID#: 0502277R1-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022322	Date of Collection: 2/12/05
Dil. Factor:	1.87	Date of Analysis: 2/24/05 06:46 AM

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	106	70-130
Toluene-d8	92	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA8

ID#: 0502277R1-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022324	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/24/05 08:10 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.56	0.90	2.7
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.52	0.38	1.1
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.30	1.0	1.7
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	Not Detected	0.64	Not Detected
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	0.48	0.58	1.5
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	1.0	0.69	4.0
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	0.58	0.79	2.5
m,p-Xylene	0.18	1.4	0.79	6.3
o-Xylene	0.18	0.87	0.79	3.8
Styrene	0.18	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.22	0.90	1.1
1,2,4-Trimethylbenzene	0.18	0.56	0.90	2.8
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	9.1	2.2	22

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A8

ID#: 0502277R1-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022324	Date of Collection:	2/12/05
Dil. Factor:	1.83	Date of Analysis:	2/24/05 08:10 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	6.6	2.2	16
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	80 E	1.7	150 E
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected	4.8	Not Detected
2-Methylpentane	0.92	Not Detected	3.2	Not Detected
Isopentane	0.92	1.0	2.7	3.0
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

E = Exceeds instrument calibration range.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	9.0%	1.9 N J
Unknown	NA	NA	4.0 J
Acetaldehyde	75-07-0	7.0%	3.6 N J
Unknown	NA	NA	1.9 J
.alpha.-Pinene	80-56-8	72%	2.3 N J
Unknown	NA	NA	2.0 J
Undecane	1120-21-4	59%	2.6 N J
Cyclohexene, 1-methyl-5-(1-methylethenyl)	1461-27-4	74%	2.0 N J
Nonane, 2,5-dimethyl-	17302-27-1	64%	2.5 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA8

ID#: 0502277R1-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022324	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/24/05 08:10 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	103	70-130
Toluene-d8	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A9

ID#: 0502277R1-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022508	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/25/05 06:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.65	0.86	3.2
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.51	0.36	1.0
Vinyl Chloride	0.18	Not Detected	0.45	Not Detected
Bromomethane	0.18	Not Detected	0.68	Not Detected
Chloroethane	0.18	Not Detected	0.46	Not Detected
Freon 11	0.18	0.28	0.98	1.6
1,1-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Freon 113	0.18	Not Detected	1.3	Not Detected
Methylene Chloride	0.18	0.62	0.61	2.2
1,1-Dichloroethane	0.18	Not Detected	0.71	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Chloroform	0.18	Not Detected	0.85	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	0.54	0.56	1.7
1,2-Dichloroethane	0.18	Not Detected	0.71	Not Detected
Trichloroethene	0.18	Not Detected	0.94	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.81	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
Toluene	0.18	2.3	0.66	8.6
trans-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.3	Not Detected
Chlorobenzene	0.18	Not Detected	0.80	Not Detected
Ethyl Benzene	0.18	1.4	0.76	6.1
m,p-Xylene	0.18	5.0	0.76	22
o-Xylene	0.18	2.7	0.76	12
Styrene	0.18	Not Detected	0.74	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.44	0.86	2.2
1,2,4-Trimethylbenzene	0.18	1.1	0.86	5.6
1,3-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.90	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.88	Not Detected	6.5	Not Detected
Hexachlorobutadiene	0.88	Not Detected	9.3	Not Detected
Propylene	0.88	Not Detected	1.5	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Acetone	0.88	28	2.1	65

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A9

ID#: 0502277R1-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022508	Date of Collection:	2/12/05
Dil. Factor:	1.75	Date of Analysis:	2/25/05 06:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
2-Propanol	0.88	1.8	2.2	4.5
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	0.95	2.6	2.8
Hexane	0.88	1.2	3.1	4.3
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
1,4-Dioxane	0.88	Not Detected	3.2	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	0.88	Not Detected	3.6	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	0.92	4.3	4.5
Ethanol	0.88	25	1.6	48
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Naphthalene	0.88	Not Detected	4.6	Not Detected
2-Methylpentane	0.88	Not Detected	3.1	Not Detected
Isopentane	0.88	1.6	2.6	4.9
2,3-Dimethylpentane	0.88	Not Detected	3.6	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Indene	0.88	Not Detected	4.2	Not Detected
Indan	0.88	Not Detected	4.2	Not Detected
Thiophene	0.88	Not Detected	3.0	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	39%	4.6 N J
2-Propanol, 1-amino-	78-96-6	5.0%	4.0 N J
Butane	106-97-8	58%	6.1 N J
Acetaldehyde	75-07-0	80%	14 N J
Cyclopropane, 1,1-dimethyl-2-(3-methyl-1	68998-21-0	64%	2.2 N J
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	50%	12 N J
Decane	124-18-5	70%	5.0 N J
Unknown	NA	NA	1.8 J
Undecane	1120-21-4	93%	2.4 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
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AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA9

ID#: 0502277R1-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022508	Date of Collection: 2/12/05
Dil. Factor:	1.75	Date of Analysis: 2/25/05 06:09 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A10

ID#: 0502277R1-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022327	Date of Collection:	2/12/05
Dil. Factor:	1.83	Date of Analysis:	2/24/05 10:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.66	0.90	3.3
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.30	0.38	0.62
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.29	1.0	1.6
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	Not Detected	0.64	Not Detected
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	0.50	0.58	1.6
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	1.1	0.69	4.1
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	0.56	0.79	2.4
m,p-Xylene	0.18	1.8	0.79	8.0
o-Xylene	0.18	1.0	0.79	4.5
Styrene	0.18	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.26	0.90	1.3
1,2,4-Trimethylbenzene	0.18	0.70	0.90	3.5
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	15	2.2	36

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A10

ID#: 0502277R1-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022327	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/24/05 10:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	3.1	2.2	7.7
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	48	1.7	91
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected	4.8	Not Detected
2-Methylpentane	0.92	Not Detected	3.2	Not Detected
Isopentane	0.92	1.3	2.7	3.8
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	39%	3.6
Propane, 1-bromo-	106-94-5	17%	4.1
Unknown	NA	NA	4.6
Acetaldehyde	75-07-0	86%	10
Pentane	109-66-0	50%	1.9
Unknown	NA	NA	2.2
Unknown	NA	NA	2.4
.alpha.-Pinene	80-56-8	91%	2.4
Octane, 2,4,6-trimethyl-	62016-37-9	53%	3.4

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
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AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA10

ID#: 0502277R1-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022327	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/24/05 10:27 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	120	70-130
4-Bromofluorobenzene	129	70-130
Toluene-d8	94	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-IA11

ID#: 0502277R1-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022509	Date of Collection: 2/12/05
Dil. Factor:	1.79	Date of Analysis: 2/25/05 07:03 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.64	0.88	3.2
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.55	0.37	1.1
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
Bromomethane	0.18	Not Detected	0.70	Not Detected
Chloroethane	0.18	Not Detected	0.47	Not Detected
Freon 11	0.18	0.33	1.0	1.8
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.55	0.62	1.9
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Chloroform	0.18	Not Detected	0.87	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	7.8	0.57	25
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Trichloroethene	0.18	Not Detected	0.96	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
Toluene	0.18	10	0.67	40
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	0.99	0.78	4.3
m,p-Xylene	0.18	3.1	0.78	13
o-Xylene	0.18	1.3	0.78	5.8
Styrene	0.18	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.25	0.88	1.2
1,2,4-Trimethylbenzene	0.18	0.68	0.88	3.4
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected
Propylene	0.90	Not Detected	1.5	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Acetone	0.90	11	2.1	26

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A11

ID#: 0502277R1-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022509	Date of Collection:	2/12/05
Dil. Factor:	1.79	Date of Analysis:	2/25/05 07:03 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	0.90	2.1	2.2	5.2
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
Hexane	0.90	3.4	3.2	12
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected
1,4-Dioxane	0.90	Not Detected	3.2	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	0.90	19	1.7	35
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
Heptane	0.90	0.93	3.7	3.8
Naphthalene	0.90	Not Detected	4.7	Not Detected
2-Methylpentane	0.90	4.4	3.2	16
Isopentane	0.90	16	2.6	46
2,3-Dimethylpentane	0.90	Not Detected	3.7	Not Detected
2,2,4-Trimethylpentane	0.90	2.1	4.2	9.7
Indene	0.90	Not Detected	4.2	Not Detected
Indan	0.90	Not Detected	4.3	Not Detected
Thiophene	0.90	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Propane, 2-methyl-	75-28-5	53%	8.3 N J
Butane	106-97-8	64%	15 N J
Unknown	NA	NA	8.8 J
Pentane	109-66-0	86%	12 N J
2-Butene, 2-methyl-	513-35-9	64%	5.5 N J
Pentane, 3-methyl-	96-14-0	78%	7.1 N J
Cyclopentane, methyl-	96-37-7	80%	5.6 N J
Hexane, 3-methyl-	589-34-4	64%	3.5 N J
Cyclobutane, 1,2-diethyl-, trans-	19341-98-1	72%	5.2 N J
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	53%	3.9 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-1A11

ID#: 0502277R1-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022509	Date of Collection: 2/12/05
Dil. Factor:	1.79	Date of Analysis: 2/25/05 07:03 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	122	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA2

ID#: 0502277R1-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022323	Date of Collection: 2/12/05
Dil. Factor:	1.75	Date of Analysis: 2/24/05 07:31 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.65	0.86	3.2
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.52	0.36	1.1
Vinyl Chloride	0.18	Not Detected	0.45	Not Detected
Bromomethane	0.18	Not Detected	0.68	Not Detected
Chloroethane	0.18	Not Detected	0.46	Not Detected
Freon 11	0.18	0.32	0.98	1.8
1,1-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Freon 113	0.18	Not Detected	1.3	Not Detected
Methylene Chloride	0.18	Not Detected	0.61	Not Detected
1,1-Dichloroethane	0.18	Not Detected	0.71	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Chloroform	0.18	Not Detected	0.85	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	0.59	0.56	1.9
1,2-Dichloroethane	0.18	Not Detected	0.71	Not Detected
Trichloroethene	0.18	Not Detected	0.94	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.81	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
Toluene	0.18	0.96	0.66	3.6
trans-1,3-Dichloropropene	0.18	Not Detected	0.79	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.95	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.3	Not Detected
Chlorobenzene	0.18	Not Detected	0.80	Not Detected
Ethyl Benzene	0.18	0.22	0.76	0.93
m,p-Xylene	0.18	0.59	0.76	2.6
o-Xylene	0.18	0.25	0.76	1.1
Styrene	0.18	Not Detected	0.74	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.86	Not Detected
1,2,4-Trimethylbenzene	0.18	0.23	0.86	1.1
1,3-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.90	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.88	Not Detected	6.5	Not Detected
Hexachlorobutadiene	0.88	Not Detected	9.3	Not Detected
Propylene	0.88	Not Detected	1.5	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Acetone	0.88	3.6	2.1	8.5

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA2

ID#: 0502277R1-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022323	Date of Collection: 2/12/05
Dil. Factor:	1.75	Date of Analysis: 2/24/05 07:31 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
2-Propanol	0.88	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	Not Detected	2.6	Not Detected
Hexane	0.88	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
1,4-Dioxane	0.88	Not Detected	3.2	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	0.88	Not Detected	3.6	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
Ethanol	0.88	3.1	1.6	5.8
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Naphthalene	0.88	Not Detected	4.6	Not Detected
2-Methylpentane	0.88	Not Detected	3.1	Not Detected
Isopentane	0.88	1.0	2.6	3.1
2,3-Dimethylpentane	0.88	Not Detected	3.6	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Indene	0.88	Not Detected	4.2	Not Detected
Indan	0.88	Not Detected	4.2	Not Detected
Thiophene	0.88	Not Detected	3.0	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	43%	2.9
Propane, 1-chloro-2-methyl-	513-36-0	4.0%	1.8
Unknown	NA	NA	3.6
Dodecanoic acid, tricosafuoro-	307-55-1	56%	8.4
Acetaldehyde	75-07-0	9.0%	6.1
Unknown	NA	NA	2.0

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	121	70-130
4-Bromofluorobenzene	108	70-130
Toluene-d8	112	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA2

ID#: 0502277R1-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022323	Date of Collection: 2/12/05
Dil. Factor:	1.75	Date of Analysis: 2/24/05 07:31 AM

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA3

ID#: 0502277R1-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022510	Date of Collection:	2/12/05
Dil. Factor:	1.83	Date of Analysis:	2/25/05 07:49 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.58	0.90	2.9
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.48	0.38	0.99
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.35	1.0	2.0
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	Not Detected	0.64	Not Detected
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	1.7	0.58	5.6
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	2.3	0.69	8.8
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	0.77	0.79	3.4
m,p-Xylene	0.18	2.0	0.79	8.9
o-Xylene	0.18	0.84	0.79	3.6
Styrene	0.18	0.26	0.78	1.1
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.21	0.90	1.0
1,2,4-Trimethylbenzene	0.18	0.59	0.90	2.9
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	3.1	2.2	7.4

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA3

ID#: 0502277R1-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022510	Date of Collection:	2/12/05
Dil. Factor:	1.83	Date of Analysis:	2/25/05 07:49 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Hexane	0.92	9.5	3.2	33
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	3.0	1.7	5.6
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	3.5	3.7	14
Naphthalene	0.92	1.1	4.8	5.8
2-Methylpentane	0.92	5.0	3.2	18
Isopentane	0.92	12	2.7	37
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	0.96	4.3	4.5
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	39%	2.3 N J
Butane	106-97-8	64%	11 N J
Decanoic acid, nonadecafluoro-	335-76-2	56%	13 N J
Unknown	NA	NA	3.6 J
Pentane	109-66-0	83%	27 N J
Cyclopropane, 1,1-dimethyl-	1630-94-0	72%	4.6 N J
Unknown	NA	NA	6.6 J
2-Pentene, 2-methyl-	625-27-4	64%	2.8 N J
Cyclopentane, methyl-	96-37-7	64%	5.2 N J
Hexane, 3-methyl-	589-34-4	64%	5.3 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA3

ID#: 0502277R1-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022510	Date of Collection: 2/12/05
Dil. Factor:	1.83	Date of Analysis: 2/25/05 07:49 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	121	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA4

ID#: 0502277R1-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022511	Date of Collection:	2/12/05
Dil. Factor:	1.79	Date of Analysis:	2/25/05 08:41 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.58	0.88	2.8
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.44	0.37	0.90
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
Bromomethane	0.18	Not Detected	0.70	Not Detected
Chloroethane	0.18	Not Detected	0.47	Not Detected
Freon 11	0.18	0.29	1.0	1.6
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	Not Detected	0.62	Not Detected
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Chloroform	0.18	Not Detected	0.87	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	1.4	0.57	4.4
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Trichloroethene	0.18	Not Detected	0.96	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
Toluene	0.18	1.9	0.67	7.3
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	0.24	0.78	1.0
m,p-Xylene	0.18	0.58	0.78	2.5
o-Xylene	0.18	Not Detected	0.78	Not Detected
Styrene	0.18	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.88	Not Detected
1,2,4-Trimethylbenzene	0.18	0.22	0.88	1.1
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected
Propylene	0.90	Not Detected	1.5	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Acetone	0.90	5.2	2.1	12

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA4

ID#: 0502277R1-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022511	Date of Collection:	2/12/05
Dil. Factor:	1.79	Date of Analysis:	2/25/05 08:41 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	0.90	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
Hexane	0.90	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected
1,4-Dioxane	0.90	Not Detected	3.2	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	0.90	3.1	1.7	5.9
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
Heptane	0.90	Not Detected	3.7	Not Detected
Naphthalene	0.90	Not Detected	4.7	Not Detected
2-Methylpentane	0.90	Not Detected	3.2	Not Detected
Isopentane	0.90	2.5	2.6	7.4
2,3-Dimethylpentane	0.90	Not Detected	3.7	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Indene	0.90	Not Detected	4.2	Not Detected
Indan	0.90	Not Detected	4.3	Not Detected
Thiophene	0.90	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	9.0%	1.9 N J
Unknown	NA	NA	2.8 J
Butane	106-97-8	9.0%	4.5 N J
Dodecanoic acid, tricosafuoro-	307-55-1	56%	12 N J
Acetaldehyde	75-07-0	9.0%	6.1 N J
Pentane	109-66-0	64%	3.0 N J
Unknown	NA	NA	2.5 J
Unknown	NA	NA	5.5 J
Pentane, 2,3,3-trimethyl-	560-21-4	72%	2.4 N J
Unknown	NA	NA	3.3 J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA4

ID#: 0502277R1-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022511	Date of Collection: 2/12/05
Dil. Factor:	1.79	Date of Analysis: 2/25/05 08:41 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA4 Duplicate

ID#: 0502277R1-17AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022512	Date of Collection:	2/12/05
Dil. Factor:	1.79	Date of Analysis:	2/25/05 09:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.56	0.88	2.8
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.48	0.37	1.0
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
Bromomethane	0.18	Not Detected	0.70	Not Detected
Chloroethane	0.18	Not Detected	0.47	Not Detected
Freon 11	0.18	0.30	1.0	1.7
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	Not Detected	0.62	Not Detected
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Chloroform	0.18	Not Detected	0.87	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	1.4	0.57	4.5
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Trichloroethene	0.18	Not Detected	0.96	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
Toluene	0.18	1.9	0.67	7.2
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	0.24	0.78	1.0
m,p-Xylene	0.18	0.59	0.78	2.6
o-Xylene	0.18	0.34	0.78	1.4
Styrene	0.18	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.88	Not Detected
1,2,4-Trimethylbenzene	0.18	0.25	0.88	1.2
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected
Propylene	0.90	Not Detected	1.5	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Acetone	0.90	5.7	2.1	13

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA4 Duplicate

ID#: 0502277R1-17AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022512	Date of Collection:	2/12/05
Dil. Factor:	1.79	Date of Analysis:	2/25/05 09:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	0.90	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
Hexane	0.90	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected
1,4-Dioxane	0.90	Not Detected	3.2	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	0.90	4.3	1.7	8.1
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
Heptane	0.90	Not Detected	3.7	Not Detected
Naphthalene	0.90	Not Detected	4.7	Not Detected
2-Methylpentane	0.90	Not Detected	3.2	Not Detected
Isopentane	0.90	2.4	2.6	7.1
2,3-Dimethylpentane	0.90	Not Detected	3.7	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Indene	0.90	Not Detected	4.2	Not Detected
Indan	0.90	Not Detected	4.3	Not Detected
Thiophene	0.90	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	56%	1.8 N J
Unknown	NA	NA	2.5 J
Butane	106-97-8	53%	4.6 N J
Dodecanoic acid, tricosafuoro-	307-55-1	56%	11 N J
Acetaldehyde	75-07-0	4.0%	5.2 N J
Pentane	109-66-0	59%	3.0 N J
Unknown	NA	NA	2.3 J
Unknown	NA	NA	5.1 J
Pentane, 2,3,3-trimethyl-	560-21-4	59%	2.3 N J
Unknown	NA	NA	3.5 J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH2-021205-AA4 Duplicate

ID#: 0502277R1-17AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022512	Date of Collection: 2/12/05
Dil. Factor:	1.79	Date of Analysis: 2/25/05 09:22 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	121	70-130
4-Bromofluorobenzene	104	70-130
Toluene-d8	101	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502277R1-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022307	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/05 06:08 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected
Propylene	0.50	Not Detected	0.86	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502277R1-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022307	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/05 06:08 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
1,4-Dioxane	0.50	Not Detected	1.8	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Naphthalene	0.50	Not Detected	2.6	Not Detected
2-Methylpentane	0.50	Not Detected	1.8	Not Detected
Isopentane	0.50	Not Detected	1.5	Not Detected
2,3-Dimethylpentane	0.50	Not Detected	2.0	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Indene	0.50	Not Detected	2.4	Not Detected
Indan	0.50	Not Detected	2.4	Not Detected
Thiophene	0.50	Not Detected	1.7	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	110	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502277R1-18B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022507	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/05 05:24 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected
Propylene	0.50	Not Detected	0.86	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502277R1-18B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022507	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/05 05:24 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
1,4-Dioxane	0.50	Not Detected	1.8	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Naphthalene	0.50	Not Detected	2.6	Not Detected
2-Methylpentane	0.50	Not Detected	1.8	Not Detected
Isopentane	0.50	Not Detected	1.5	Not Detected
2,3-Dimethylpentane	0.50	Not Detected	2.0	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Indene	0.50	Not Detected	2.4	Not Detected
Indan	0.50	Not Detected	2.4	Not Detected
Thiophene	0.50	Not Detected	1.7	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	122	70-130
4-Bromofluorobenzene	111	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502277R1-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022302	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/05 12:14 PM

Compound	%Recovery
Freon 12	125
Freon 114	118
Chloromethane	121
Vinyl Chloride	113
Bromomethane	117
Chloroethane	112
Freon 11	113
1,1-Dichloroethene	97
Freon 113	105
Methylene Chloride	90
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	98
Chloroform	108
1,1,1-Trichloroethane	111
Carbon Tetrachloride	115
Benzene	95
1,2-Dichloroethane	113
Trichloroethene	99
1,2-Dichloropropane	95
cis-1,3-Dichloropropene	106
Toluene	101
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	103
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	104
Chlorobenzene	98
Ethyl Benzene	96
m,p-Xylene	98
o-Xylene	106
Styrene	103
1,1,2,2-Tetrachloroethane	110
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	95
1,3-Dichlorobenzene	96
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	90
1,2,4-Trichlorobenzene	101
Hexachlorobutadiene	95
Propylene	152 Q
1,3-Butadiene	124
Acetone	104

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502277R1-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022302	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/05 12:14 PM

Compound	%Recovery
Carbon Disulfide	98
2-Propanol	94
trans-1,2-Dichloroethene	98
2-Butanone (Methyl Ethyl Ketone)	95
Hexane	98
Tetrahydrofuran	96
Cyclohexane	99
1,4-Dioxane	99
Bromodichloromethane	110
4-Methyl-2-pentanone	105
2-Hexanone	101
Dibromochloromethane	108
Bromoform	103
4-Ethyltoluene	96
Ethanol	82
Methyl tert-butyl ether	104
Heptane	98
Naphthalene	85
2-Methylpentane	86
Isopentane	101
2,3-Dimethylpentane	101
2,2,4-Trimethylpentane	100
Indene	101
Indan	97
Thiophene	106

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
4-Bromofluorobenzene	99	70-130
Toluene-d8	101	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502277R1-19B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/05 01:03 AM

Compound	%Recovery
Freon 12	114
Freon 114	108
Chloromethane	115
Vinyl Chloride	119
Bromomethane	124
Chloroethane	112
Freon 11	109
1,1-Dichloroethene	114
Freon 113	105
Methylene Chloride	92
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	93
Chloroform	104
1,1,1-Trichloroethane	100
Carbon Tetrachloride	102
Benzene	97
1,2-Dichloroethane	101
Trichloroethene	106
1,2-Dichloropropane	100
cis-1,3-Dichloropropene	108
Toluene	97
trans-1,3-Dichloropropene	100
1,1,2-Trichloroethane	97
Tetrachloroethene	96
1,2-Dibromoethane (EDB)	95
Chlorobenzene	97
Ethyl Benzene	93
m,p-Xylene	94
o-Xylene	103
Styrene	93
1,1,2,2-Tetrachloroethane	100
1,3,5-Trimethylbenzene	90
1,2,4-Trimethylbenzene	90
1,3-Dichlorobenzene	89
1,4-Dichlorobenzene	87
alpha-Chlorotoluene	90
1,2-Dichlorobenzene	85
1,2,4-Trichlorobenzene	88
Hexachlorobutadiene	80
Propylene	124
1,3-Butadiene	127
Acetone	99

AIR TOXICS LTD.

SAMPLE NAME: CCV

1D#: 0502277R1-19B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/05 01:03 AM

Compound	%Recovery
Carbon Disulfide	102
2-Propanol	87
trans-1,2-Dichloroethene	103
2-Butanone (Methyl Ethyl Ketone)	100
Hexane	97
Tetrahydrofuran	96
Cyclohexane	96
1,4-Dioxane	106
Bromodichloromethane	102
4-Methyl-2-pentanone	104
2-Hexanone	91
Dibromochloromethane	102
Bromoform	99
4-Ethyltoluene	91
Ethanol	91
Methyl tert-butyl ether	99
Heptane	96
Naphthalene	64
2-Methylpentane	85
Isopentane	110
2,3-Dimethylpentane	96
2,2,4-Trimethylpentane	89
Indene	74
Indan	87
Thiophene	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	96	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502277R1-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022305	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/05 03:24 PM

Compound	%Recovery
Freon 12	120
Freon 114	95
Chloromethane	86
Vinyl Chloride	104
Bromomethane	103
Chloroethane	113
Freon 11	109
1,1-Dichloroethene	106
Freon 113	99
Methylene Chloride	88
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	103
Chloroform	117
1,1,1-Trichloroethane	127
Carbon Tetrachloride	122
Benzene	106
1,2-Dichloroethane	113
Trichloroethene	120
1,2-Dichloropropane	112
cis-1,3-Dichloropropene	121
Toluene	106
trans-1,3-Dichloropropene	110
1,1,2-Trichloroethane	114
Tetrachloroethene	110
1,2-Dibromoethane (EDB)	114
Chlorobenzene	112
Ethyl Benzene	106
m,p-Xylene	112
o-Xylene	128
Styrene	94
1,1,2,2-Tetrachloroethane	132 Q
1,3,5-Trimethylbenzene	124
1,2,4-Trimethylbenzene	116
1,3-Dichlorobenzene	113
1,4-Dichlorobenzene	116
alpha-Chlorotoluene	181 Q
1,2-Dichlorobenzene	109
1,2,4-Trichlorobenzene	113
Hexachlorobutadiene	98
Propylene	130
1,3-Butadiene	90
Acetone	92

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502277R1-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022305	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/23/05 03:24 PM

Compound	%Recovery
Carbon Disulfide	87
2-Propanol	85
trans-1,2-Dichloroethene	92
2-Butanone (Methyl Ethyl Ketone)	90
Hexane	96
Tetrahydrofuran	108
Cyclohexane	110
1,4-Dioxane	116
Bromodichloromethane	107
4-Methyl-2-pentanone	110
2-Hexanone	106
Dibromochloromethane	117
Bromoform	95
4-Ethyltoluene	140
Ethanol	90
Methyl tert-butyl ether	103
Heptane	107
Naphthalene	Not Spiked
2-Methylpentane	Not Spiked
Isopentane	Not Spiked
2,3-Dimethylpentane	Not Spiked
2,2,4-Trimethylpentane	Not Spiked
Indene	Not Spiked
Indan	Not Spiked
Thiophene	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	95	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502277R1-20B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022505	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/05 03:30 AM

Compound	%Recovery
Freon 12	117
Freon 114	103
Chloromethane	106
Vinyl Chloride	118
Bromomethane	123
Chloroethane	124
Freon 11	121
1,1-Dichloroethene	112
Freon 113	110
Methylene Chloride	95
1,1-Dichloroethane	111
cis-1,2-Dichloroethene	117
Chloroform	118
1,1,1-Trichloroethane	134 Q
Carbon Tetrachloride	126
Benzene	106
1,2-Dichloroethane	121
Trichloroethene	119
1,2-Dichloropropane	113
cis-1,3-Dichloropropene	124
Toluene	103
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	107
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	110
Chlorobenzene	106
Ethyl Benzene	103
m,p-Xylene	105
o-Xylene	115
Styrene	87
1,1,2,2-Tetrachloroethane	121
1,3,5-Trimethylbenzene	117
1,2,4-Trimethylbenzene	109
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	106
alpha-Chlorotoluene	176 Q
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	108
Hexachlorobutadiene	95
Propylene	117
1,3-Butadiene	108
Acetone	104

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502277R1-20B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7022505	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 2/25/05 03:30 AM

Compound	%Recovery
Carbon Disulfide	100
2-Propanol	100
trans-1,2-Dichloroethene	105
2-Butanone (Methyl Ethyl Ketone)	101
Hexane	108
Tetrahydrofuran	112
Cyclohexane	107
1,4-Dioxane	115
Bromodichloromethane	114
4-Methyl-2-pentanone	110
2-Hexanone	96
Dibromochloromethane	116
Bromoform	96
4-Ethyltoluene	132
Ethanol	110
Methyl tert-butyl ether	118
Heptane	104
Naphthalene	Not Spiked
2-Methylpentane	Not Spiked
Isopentane	Not Spiked
2,3-Dimethylpentane	Not Spiked
2,2,4-Trimethylpentane	Not Spiked
Indene	Not Spiked
Indan	Not Spiked
Thiophene	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	97	70-130
Toluene-d8	101	70-130





Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4822

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Contact Person Neil Feldscher
Company EMTEQUE Corporation Email Neil@emteque.com
Address 505 8th Ave, Ste 900 City New York State NY Zip 10018
Phone (212) 631-9000 Fax (212) 631-9066
Collected by: (Signature) [Signature]

Project Info:
P.O. # _____
Project # 04-2142
Project Name Turn. W. 19th St.
Turn Around Time: ☒ Normal ☐ Rush
Pressurized by: AS
Date: 2/15/25
Pressurization Gas: He

Lab I.D.	Field Sample I.D. (Location)	Date	Time	Analyses Requested	Canister Pressure/Vacuum		
					Initial	Final	Final gpa
01A	PH2-021205-56-1	2/12/05	1723	Can E1 IA	-29.5	-8	7.074 801651
02A	-	-	1720		-29	-8	7.074
03A	-	-	1725		-29.5	-7.5	7.074
04A	-	-	1723		-29	-9.5	7.074
05A	-	-	1727		-29	-9	8.074
06A	-	-	1725		-26.5	-5.5	7.574
07A	-	-	1720		-28	-9	7.074
08A	-	-	1727		-23.5	-7	6.574
09A	-	-	1724		-30	-10.5	8.074
10A	-	-	1721		-30	-8.5	8.574 V

Relinquished by: (signature) [Signature] Date/Time 2/13/05 1701 Received by: (signature) [Signature] Date/Time 2/14/05 1050 Notes: 2/14/05

Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____

Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____

Shipper Name FELIX Air Bill # 8457526602 Temp (°C) - Condition good Custody Seals Intact? Yes Ne None Work Order # 0502277



Sample Transportation Notice

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Page 2 of 2

CHAIN-OF-CUSTODY RECORD

Contact Person Neil Feldman
Company ENTREPRENEUR Email Neil@ENTREPRENEUR.com
Address 505 8th Ave, Suite 1000 City New York State NY Zip 10018
Phone (212) 631-9800 Fax (212) 631-9866
Collected by: (Signature) [Signature]

Project Info:
P.O. # _____
Project # 04-2142
Project Name Turn - W. 19th St.
Turn Around Time: ☒ Normal ☐ Rush
Prepressurized by: 68
Date: 2/13/05
Pressurization Gas: N₂ He

Lab I.D.	Field Sample I.D. (Location)	Date	Time	Analyses Requested	Canister Pressure/Vacuum		
					Initial	Final	Final and
11A	PH2-221205-IA8	2/13/05	1220	Can EA IA	-28.5	-8	8.074 5.043
12A	PH2-221205-IA9		1220		-29	-7	7.074
13A	- IA10		1220		-29	-9	8.074
14A	- IA11		1230		-28.5	-8.5	7.574
15A	- IA12		1220		-29	-9	7.074
16A	- IA13		1220		-29	-9	8.074
17A	- IA14		1220		-30	-9.5	7.574
							18A

* See email notes on bus regulations
Relinquished by: (signature) [Signature] Date/Time 2/13/05 1301 Notes: 1050
Relinquished by: (signature) [Signature] Date/Time 2/13/05 1301
Relinquished by: (signature) [Signature] Date/Time _____
Relinquished by: (signature) [Signature] Date/Time _____

Lab Use Only
Shipper Name Felix Air Bill # 84587525662 Temp (°C) - Condition good Custody Seals Intact? Yes No None Work Order # 0502277

APPENDIX L

**PHASE III SAMPLING
ANALYTICAL RESULTS**



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020

Hours 8:00 A.M to 6:00 P.M. Pacific

E-mail to: samplereceiving@airtoxics.com



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0502508A

Work Order Summary

CLIENT:	Mr. Neil Feldscher Emteque Corporation 508 8th Avenue Suite 900 New York, NY 10018	BILL TO:	Mr. Neil Feldscher Emteque Corporation 508 8th Avenue Suite 900 New York, NY 10018
PHONE:	212-631-9000	P.O. #	
FAX:	212-631-8066	PROJECT #	04-2147 Turner W. 19th St.
DATE RECEIVED:	02/25/2005	CONTACT:	Ausha Scott
DATE COMPLETED:	03/10/2005		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	PH3-022405-AA1	Modified TO-15/TICs	5.5 "Hg
02A	PH3-022405-AA2	Modified TO-15/TICs	5.0 "Hg
03A	PH3-022405-AA3	Modified TO-15/TICs	5.0 "Hg
04A	PH3-022405-AA4	Modified TO-15/TICs	1.0 "Hg
05A	PH3-022405-SG1	Modified TO-15/TICs	6.5 "Hg
07A	PH3-022405-SG3	Modified TO-15/TICs	10.5 "Hg
08A	PH3-022405-IA1	Modified TO-15/TICs	6.5 "Hg
09A	PH3-022405-IA2	Modified TO-15/TICs	8.0 "Hg
09AA	PH3-022405-IA2 Duplicate	Modified TO-15/TICs	8.0 "Hg
10A	PH3-022405-IA3	Modified TO-15/TICs	7.5 "Hg
11A	PH3-022405-IA4	Modified TO-15/TICs	6.5 "Hg
12A	PH3-022405-IA5	Modified TO-15/TICs	7.5 "Hg
13A	PH3-022405-IA6	Modified TO-15/TICs	8.0 "Hg
14A	PH3-022405-IA7	Modified TO-15/TICs	7.5 "Hg
15A	Lab Blank	Modified TO-15/TICs	NA
16A	CCV	Modified TO-15/TICs	NA
17A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:

Laboratory Director

DATE: 03/10/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15 Low-level
Emteque Corporation
Workorder# 0502508A

Thirteen 6 Liter Summa Special (100% Certified) samples were received on February 25, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Blank and standards	Zero air	Nitrogen
Dilutions for initial calibration	Dynamic dilutions or static using canisters.	Syringe dilutions may also be utilized.
BFB acceptance criteria	CLP protocol	SW-846 protocol
Daily Calibration	+/- 30% Difference	<= 30% Difference with four allowed out up to <=40%.; flag and narrate outliers
ICAL %RSD acceptance criteria	+/- 30% RSD with 2 compounds allowed out to < 40% RSD	30% RSD with 4 compounds allowed out to < 40% RSD
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one individual analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA1

ID#: 0502508A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030914	Date of Collection:	2/24/05
Dil. Factor:	1.64	Date of Analysis:	3/9/05 11:12 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.64	0.81	3.2
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.59	0.34	1.2
Vinyl Chloride	0.16	Not Detected	0.42	Not Detected
Bromomethane	0.16	Not Detected	0.64	Not Detected
Chloroethane	0.16	Not Detected	0.43	Not Detected
Freon 11	0.16	0.27	0.92	1.5
1,1-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Freon 113	0.16	Not Detected	1.2	Not Detected
Methylene Chloride	0.16	Not Detected	0.57	Not Detected
1,1-Dichloroethane	0.16	Not Detected	0.66	Not Detected
cis-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Chloroform	0.16	Not Detected	0.80	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.89	Not Detected
Carbon Tetrachloride	0.16	Not Detected	1.0	Not Detected
Benzene	0.16	1.4	0.52	4.6
1,2-Dichloroethane	0.16	Not Detected	0.66	Not Detected
Trichloroethene	0.16	Not Detected	0.88	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.76	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.74	Not Detected
Toluene	0.16	3.6	0.62	14
trans-1,3-Dichloropropene	0.16	Not Detected	0.74	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.89	Not Detected
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.3	Not Detected
Chlorobenzene	0.16	Not Detected	0.76	Not Detected
Ethyl Benzene	0.16	0.57	0.71	2.5
m,p-Xylene	0.16	1.3	0.71	5.8
o-Xylene	0.16	0.51	0.71	2.2
Styrene	0.16	Not Detected	0.70	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
1,3,5-Trimethylbenzene	0.16	Not Detected	0.81	Not Detected
1,2,4-Trimethylbenzene	0.16	0.23	0.81	1.2
1,3-Dichlorobenzene	0.16	Not Detected	0.99	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.99	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.85	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.99	Not Detected
1,2,4-Trichlorobenzene	0.82	Not Detected	6.1	Not Detected
Hexachlorobutadiene	0.82	Not Detected	8.7	Not Detected
Propylene	0.82	Not Detected	1.4	Not Detected
1,3-Butadiene	0.82	Not Detected	1.8	Not Detected
Acetone	0.82	16	1.9	39

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA1

ID#: 0502508A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030914	Date of Collection:	2/24/05
Dil. Factor:	1.64	Date of Analysis:	3/9/05 11:12 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.82	Not Detected	2.6	Not Detected
2-Propanol	0.82	0.96	2.0	2.4
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.82	3.0	2.4	8.8
Hexane	0.82	Not Detected	2.9	Not Detected
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
Cyclohexane	0.82	Not Detected	2.8	Not Detected
1,4-Dioxane	0.82	Not Detected	3.0	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
2-Hexanone	0.82	Not Detected	3.4	Not Detected
Dibromochloromethane	0.82	Not Detected	7.0	Not Detected
Bromoform	0.82	Not Detected	8.5	Not Detected
4-Ethyltoluene	0.82	Not Detected	4.0	Not Detected
Ethanol	0.82	7.1	1.5	13
Methyl tert-butyl ether	0.82	Not Detected	3.0	Not Detected
Heptane	0.82	Not Detected	3.4	Not Detected
Naphthalene	0.82	Not Detected	4.3	Not Detected
2-Methylpentane	0.82	Not Detected	2.9	Not Detected
Isopentane	0.82	2.2	2.4	6.5
2,3-Dimethylpentane	0.82	Not Detected	3.4	Not Detected
2,2,4-Trimethylpentane	0.82	Not Detected	3.8	Not Detected
Indene	0.82	Not Detected	3.9	Not Detected
Indan	0.82	Not Detected	4.0	Not Detected
Thiophene	0.82	Not Detected	2.8	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	64%	3.2 N J
Unknown	NA	NA	2.1 J
Butane	106-97-8	53%	5.4 N J
Acetaldehyde	75-07-0	9.0%	11 N J
Pentane	109-66-0	47%	2.3 N J
Hydroperoxide, 1,1-dimethylethyl	75-91-2	39%	3.6 N J
Unknown	NA	NA	3.6 J
Unknown	NA	NA	2.1 J
2-Oxetanone, 4,4-dimethyl-	1823-52-5	72%	3.7 N J
Unknown	NA	NA	8.1 J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA1

ID#: 0502508A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030914	Date of Collection: 2/24/05
Dil. Factor:	1.64	Date of Analysis: 3/9/05 11:12 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	93	70-130
Toluene-d8	95	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA2

ID#: 0502508A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030915	Date of Collection:	2/24/05
Dil. Factor:	1.61	Date of Analysis:	3/9/05 11:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.55	0.80	2.7
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	Not Detected	0.33	Not Detected
Vinyl Chloride	0.16	Not Detected	0.41	Not Detected
Bromomethane	0.16	Not Detected	0.62	Not Detected
Chloroethane	0.16	Not Detected	0.42	Not Detected
Freon 11	0.16	0.25	0.90	1.4
1,1-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Freon 113	0.16	Not Detected	1.2	Not Detected
Methylene Chloride	0.16	0.82	0.56	2.8
1,1-Dichloroethane	0.16	Not Detected	0.65	Not Detected
cis-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Chloroform	0.16	Not Detected	0.79	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Carbon Tetrachloride	0.16	Not Detected	1.0	Not Detected
Benzene	0.16	0.49	0.51	1.6
1,2-Dichloroethane	0.16	Not Detected	0.65	Not Detected
Trichloroethene	0.16	2.6	0.86	14
1,2-Dichloropropane	0.16	Not Detected	0.74	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
Toluene	0.16	1.6	0.61	6.0
trans-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Tetrachloroethene	0.16	0.45	1.1	3.0
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.74	Not Detected
Ethyl Benzene	0.16	Not Detected	0.70	Not Detected
m,p-Xylene	0.16	0.54	0.70	2.3
o-Xylene	0.16	Not Detected	0.70	Not Detected
Styrene	0.16	Not Detected	0.68	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
1,3,5-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,2,4-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,3-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.83	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,2,4-Trichlorobenzene	0.80	Not Detected	6.0	Not Detected
Hexachlorobutadiene	0.80	Not Detected	8.6	Not Detected
Propylene	0.80	Not Detected	1.4	Not Detected
1,3-Butadiene	0.80	Not Detected	1.8	Not Detected
Acetone	0.80	4.1	1.9	9.8

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA2

ID#: 0502508A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030915	Date of Collection:	2/24/05
Dil. Factor:	1.61	Date of Analysis:	3/9/05 11:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
2-Propanol	0.80	0.90	2.0	2.2
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.80	Not Detected	2.4	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Cyclohexane	0.80	Not Detected	2.8	Not Detected
1,4-Dioxane	0.80	Not Detected	2.9	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
2-Hexanone	0.80	Not Detected	3.3	Not Detected
Dibromochloromethane	0.80	Not Detected	6.8	Not Detected
Bromoform	0.80	Not Detected	8.3	Not Detected
4-Ethyltoluene	0.80	Not Detected	4.0	Not Detected
Ethanol	0.80	6.1	1.5	11
Methyl tert-butyl ether	0.80	Not Detected	2.9	Not Detected
Heptane	0.80	Not Detected	3.3	Not Detected
Naphthalene	0.80	Not Detected U J	4.2	Not Detected U J
2-Methylpentane	0.80	Not Detected	2.8	Not Detected
Isopentane	0.80	1.3	2.4	3.9
2,3-Dimethylpentane	0.80	Not Detected	3.3	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Indene	0.80	Not Detected	3.8	Not Detected
Indan	0.80	Not Detected	3.9	Not Detected
Thiophene	0.80	Not Detected	2.8	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	3.2 J
Unknown	NA	NA	2.6 J
Unknown	NA	NA	3.3 J
Octanoic acid, pentadecafluoro-	335-67-1	56%	4.9 N J
Unknown	NA	NA	2.9 J
Unknown	NA	NA	1.9 J
Unknown	NA	NA	1.9 J
Benzene, 1-chloro-3-methyl-	108-41-8	81%	4.9 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA2

ID#: 0502508A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030915	Date of Collection: 2/24/05
Dil. Factor:	1.61	Date of Analysis: 3/9/05 11:51 PM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	99	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA3

ID#: 0502508A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030916	Date of Collection:	2/24/05
Dil. Factor:	1.61	Date of Analysis:	3/10/05 12:30 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.68	0.80	3.4
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	Not Detected	0.33	Not Detected
Vinyl Chloride	0.16	Not Detected	0.41	Not Detected
Bromomethane	0.16	Not Detected	0.62	Not Detected
Chloroethane	0.16	Not Detected	0.42	Not Detected
Freon 11	0.16	0.24	0.90	1.4
1,1-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Freon 113	0.16	Not Detected	1.2	Not Detected
Methylene Chloride	0.16	Not Detected	0.56	Not Detected
1,1-Dichloroethane	0.16	Not Detected	0.65	Not Detected
cis-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Chloroform	0.16	Not Detected	0.79	Not Detected
1,1,1-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Carbon Tetrachloride	0.16	Not Detected	1.0	Not Detected
Benzene	0.16	0.84	0.51	2.7
1,2-Dichloroethane	0.16	Not Detected	0.65	Not Detected
Trichloroethene	0.16	Not Detected	0.86	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.74	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
Toluene	0.16	1.6	0.61	6.1
trans-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Tetrachloroethene	0.16	Not Detected	1.1	Not Detected
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.74	Not Detected
Ethyl Benzene	0.16	0.36	0.70	1.6
m,p-Xylene	0.16	0.71	0.70	3.1
o-Xylene	0.16	0.31	0.70	1.3
Styrene	0.16	Not Detected	0.68	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
1,3,5-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,2,4-Trimethylbenzene	0.16	0.28	0.79	1.4
1,3-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.83	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,2,4-Trichlorobenzene	0.80	Not Detected	6.0	Not Detected
Hexachlorobutadiene	0.80	Not Detected	8.6	Not Detected
Propylene	0.80	Not Detected	1.4	Not Detected
1,3-Butadiene	0.80	Not Detected	1.8	Not Detected
Acetone	0.80	4.7	1.9	11

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA3

ID#: 0502508A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030916	Date of Collection:	2/24/05
Dil. Factor:	1.61	Date of Analysis:	3/10/05 12:30 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
2-Propanol	0.80	Not Detected	2.0	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.80	Not Detected	2.4	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Cyclohexane	0.80	Not Detected	2.8	Not Detected
1,4-Dioxane	0.80	2.8	2.9	10
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
2-Hexanone	0.80	Not Detected	3.3	Not Detected
Dibromochloromethane	0.80	Not Detected	6.8	Not Detected
Bromoform	0.80	Not Detected	8.3	Not Detected
4-Ethyltoluene	0.80	Not Detected	4.0	Not Detected
Ethanol	0.80	4.2	1.5	8.0
Methyl tert-butyl ether	0.80	Not Detected	2.9	Not Detected
Heptane	0.80	Not Detected	3.3	Not Detected
Naphthalene	0.80	Not Detected U J	4.2	Not Detected U J
2-Methylpentane	0.80	Not Detected	2.8	Not Detected
Isopentane	0.80	1.8	2.4	5.2
2,3-Dimethylpentane	0.80	Not Detected	3.3	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Indene	0.80	Not Detected	3.8	Not Detected
Indan	0.80	Not Detected	3.9	Not Detected
Thiophene	0.80	Not Detected	2.8	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	2.9 J
Cyclohexanone, hydrazone	6156-08-7	5.0%	2.0 N J
Unknown	NA	NA	3.2 J
Dodecanoic acid, tricosafuoro-	307-55-1	56%	5.6 N J
Acetaldehyde	75-07-0	9.0%	6.7 N J
Unknown	NA	NA	1.9 J
Unknown	NA	NA	2.2 J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
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AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA3

ID#: 0502508A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030916	Date of Collection: 2/24/05
Dil. Factor:	1.61	Date of Analysis: 3/10/05 12:30 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	96	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA4

ID#: 0502508A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030917	Date of Collection:	2/24/05
Dil. Factor:	1.39	Date of Analysis:	3/10/05 01:20 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.14	0.63	0.69	3.1
Freon 114	0.14	Not Detected	0.97	Not Detected
Chloromethane	0.14	0.59	0.29	1.2
Vinyl Chloride	0.14	Not Detected	0.36	Not Detected
Bromomethane	0.14	Not Detected	0.54	Not Detected
Chloroethane	0.14	Not Detected	0.37	Not Detected
Freon 11	0.14	0.28	0.78	1.6
1,1-Dichloroethene	0.14	Not Detected	0.55	Not Detected
Freon 113	0.14	Not Detected	1.1	Not Detected
Methylene Chloride	0.14	Not Detected	0.48	Not Detected
1,1-Dichloroethane	0.14	Not Detected	0.56	Not Detected
cis-1,2-Dichloroethene	0.14	Not Detected	0.55	Not Detected
Chloroform	0.14	Not Detected	0.68	Not Detected
1,1,1-Trichloroethane	0.14	Not Detected	0.76	Not Detected
Carbon Tetrachloride	0.14	Not Detected	0.87	Not Detected
Benzene	0.14	1.1	0.44	3.4
1,2-Dichloroethane	0.14	Not Detected	0.56	Not Detected
Trichloroethene	0.14	Not Detected	0.75	Not Detected
1,2-Dichloropropane	0.14	Not Detected	0.64	Not Detected
cis-1,3-Dichloropropene	0.14	Not Detected	0.63	Not Detected
Toluene	0.14	1.5	0.52	5.8
trans-1,3-Dichloropropene	0.14	Not Detected	0.63	Not Detected
1,1,2-Trichloroethane	0.14	Not Detected	0.76	Not Detected
Tetrachloroethene	0.14	Not Detected	0.94	Not Detected
1,2-Dibromoethane (EDB)	0.14	Not Detected	1.1	Not Detected
Chlorobenzene	0.14	Not Detected	0.64	Not Detected
Ethyl Benzene	0.14	0.24	0.60	1.1
m,p-Xylene	0.14	0.60	0.60	2.6
o-Xylene	0.14	0.22	0.60	0.96
Styrene	0.14	Not Detected	0.59	Not Detected
1,1,2,2-Tetrachloroethane	0.14	Not Detected	0.95	Not Detected
1,3,5-Trimethylbenzene	0.14	Not Detected	0.68	Not Detected
1,2,4-Trimethylbenzene	0.14	0.25	0.68	1.2
1,3-Dichlorobenzene	0.14	Not Detected	0.84	Not Detected
1,4-Dichlorobenzene	0.14	Not Detected	0.84	Not Detected
alpha-Chlorotoluene	0.14	Not Detected	0.72	Not Detected
1,2-Dichlorobenzene	0.14	Not Detected	0.84	Not Detected
1,2,4-Trichlorobenzene	0.70	Not Detected	5.2	Not Detected
Hexachlorobutadiene	0.70	Not Detected	7.4	Not Detected
Propylene	0.70	Not Detected	1.2	Not Detected
1,3-Butadiene	0.70	Not Detected	1.5	Not Detected
Acetone	0.70	3.9	1.6	9.2

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA4

ID#: 0502508A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030917	Date of Collection:	2/24/05
Dil. Factor:	1.39	Date of Analysis:	3/10/05 01:20 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.70	Not Detected	2.2	Not Detected
2-Propanol	0.70	Not Detected	1.7	Not Detected
trans-1,2-Dichloroethene	0.70	Not Detected	2.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.70	0.94	2.0	2.8
Hexane	0.70	Not Detected	2.4	Not Detected
Tetrahydrofuran	0.70	Not Detected	2.0	Not Detected
Cyclohexane	0.70	Not Detected	2.4	Not Detected
1,4-Dioxane	0.70	Not Detected	2.5	Not Detected
Bromodichloromethane	0.70	Not Detected	4.6	Not Detected
4-Methyl-2-pentanone	0.70	Not Detected	2.8	Not Detected
2-Hexanone	0.70	Not Detected	2.8	Not Detected
Dibromochloromethane	0.70	Not Detected	5.9	Not Detected
Bromoform	0.70	Not Detected	7.2	Not Detected
4-Ethyltoluene	0.70	Not Detected	3.4	Not Detected
Ethanol	0.70	5.5	1.3	10
Methyl tert-butyl ether	0.70	Not Detected	2.5	Not Detected
Heptane	0.70	Not Detected	2.8	Not Detected
Naphthalene	0.70	Not Detected U J	3.6	Not Detected U J
2-Methylpentane	0.70	1.1	2.4	3.9
Isopentane	0.70	4.0	2.0	12
2,3-Dimethylpentane	0.70	Not Detected	2.8	Not Detected
2,2,4-Trimethylpentane	0.70	Not Detected	3.2	Not Detected
Indene	0.70	Not Detected	3.3	Not Detected
Indan	0.70	Not Detected	3.4	Not Detected
Thiophene	0.70	Not Detected	2.4	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	3.0 J
Unknown	NA	NA	2.3 J
Unknown	NA	NA	4.3 J
Octanoic acid, pentadecafluoro-	335-67-1	64%	3.9 N J
Unknown	NA	NA	3.4 J
Pentane	109-66-0	50%	2.5 N J
Pentane, 2-bromo-	107-81-3	50%	3.1 N J
Pentane, 3-methyl-	96-14-0	64%	3.0 N J
Cyclopentane, methyl-	96-37-7	72%	2.2 N J
Cyclopropane, (1-methylethyl)-	3638-35-5	38%	2.0 N J

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-AA4

ID#: 0502508A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030917	Date of Collection:	2/24/05
Dil. Factor:	1.39	Date of Analysis:	3/10/05 01:20 AM

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	93	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG1

ID#: 0502508A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030918	Date of Collection:	2/24/05
Dil. Factor:	1.71	Date of Analysis:	3/10/05 02:21 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.17	0.60	0.84	3.0
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	Not Detected	0.35	Not Detected
Vinyl Chloride	0.17	Not Detected	0.44	Not Detected
Bromomethane	0.17	Not Detected	0.66	Not Detected
Chloroethane	0.17	Not Detected	0.45	Not Detected
Freon 11	0.17	0.28	0.96	1.6
1,1-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Freon 113	0.17	Not Detected	1.3	Not Detected
Methylene Chloride	0.17	Not Detected	0.59	Not Detected
1,1-Dichloroethane	0.17	Not Detected	0.69	Not Detected
cis-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Chloroform	0.17	0.70	0.83	3.4
1,1,1-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Carbon Tetrachloride	0.17	Not Detected	1.1	Not Detected
Benzene	0.17	Not Detected	0.55	Not Detected
1,2-Dichloroethane	0.17	Not Detected	0.69	Not Detected
Trichloroethene	0.17	Not Detected	0.92	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.79	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
Toluene	0.17	Not Detected	0.64	Not Detected
trans-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Tetrachloroethene	0.17	0.72	1.2	4.9
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.79	Not Detected
Ethyl Benzene	0.17	Not Detected	0.74	Not Detected
m,p-Xylene	0.17	Not Detected	0.74	Not Detected
o-Xylene	0.17	Not Detected	0.74	Not Detected
Styrene	0.17	Not Detected	0.73	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.17	Not Detected	0.84	Not Detected
1,2,4-Trimethylbenzene	0.17	Not Detected	0.84	Not Detected
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.17	Not Detected	0.88	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.86	Not Detected	6.3	Not Detected
Hexachlorobutadiene	0.86	Not Detected	9.1	Not Detected
Propylene	0.86	Not Detected	1.5	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Acetone	0.86	4.1	2.0	9.8

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG1

ID#: 0502508A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030918	Date of Collection:	2/24/05
Dil. Factor:	1.71	Date of Analysis:	3/10/05 02:21 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
2-Propanol	0.86	Not Detected	2.1	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected
1,4-Dioxane	0.86	Not Detected	3.1	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	0.86	Not Detected	3.5	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	0.86	2.0	1.6	3.8
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
Heptane	0.86	Not Detected	3.5	Not Detected
Naphthalene	0.86	Not Detected U J	4.5	Not Detected U J
2-Methylpentane	0.86	Not Detected	3.0	Not Detected
Isopentane	0.86	Not Detected	2.5	Not Detected
2,3-Dimethylpentane	0.86	Not Detected	3.5	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Indene	0.86	Not Detected	4.1	Not Detected
Indan	0.86	Not Detected	4.1	Not Detected
Thiophene	0.86	Not Detected	2.9	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	2.3 J
Decanoic acid, nonadecafluoro-	335-76-2	50%	7.6 N J
Unknown	NA	NA	7.6 J
Unknown	NA	NA	4.1 J
Unknown	NA	NA	4.1 J
Unknown	NA	NA	2.7 J
Heneicosane, 11-decyl-	55320-06-4	59%	2.4 N J
Hexane, 2,2,5,5-tetramethyl-	1071-81-4	53%	2.4 N J
Benzaldehyde, 2-chloro-	89-98-5	97%	2.8 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG1

ID#: 0502508A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030918	Date of Collection: 2/24/05
Dil. Factor:	1.71	Date of Analysis: 3/10/05 02:21 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	95	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG3

ID#: 0502508A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030919	Date of Collection:	2/24/05
Dil. Factor:	2.06	Date of Analysis:	3/10/05 03:04 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.21	0.52	1.0	2.6
Freon 114	0.21	Not Detected	1.4	Not Detected
Chloromethane	0.21	Not Detected	0.42	Not Detected
Vinyl Chloride	0.21	Not Detected	0.53	Not Detected
Bromomethane	0.21	Not Detected	0.80	Not Detected
Chloroethane	0.21	Not Detected	0.54	Not Detected
Freon 11	0.21	Not Detected	1.2	Not Detected
1,1-Dichloroethene	0.21	Not Detected	0.82	Not Detected
Freon 113	0.21	Not Detected	1.6	Not Detected
Methylene Chloride	0.21	Not Detected	0.72	Not Detected
1,1-Dichloroethane	0.21	Not Detected	0.83	Not Detected
cis-1,2-Dichloroethene	0.21	Not Detected	0.82	Not Detected
Chloroform	0.21	0.26	1.0	1.3
1,1,1-Trichloroethane	0.21	Not Detected	1.1	Not Detected
Carbon Tetrachloride	0.21	Not Detected	1.3	Not Detected
Benzene	0.21	2.1	0.66	6.7
1,2-Dichloroethane	0.21	Not Detected	0.83	Not Detected
Trichloroethene	0.21	Not Detected	1.1	Not Detected
1,2-Dichloropropane	0.21	Not Detected	0.95	Not Detected
cis-1,3-Dichloropropene	0.21	Not Detected	0.93	Not Detected
Toluene	0.21	1.9	0.78	7.3
trans-1,3-Dichloropropene	0.21	Not Detected	0.93	Not Detected
1,1,2-Trichloroethane	0.21	Not Detected	1.1	Not Detected
Tetrachloroethene	0.21	1.1	1.4	7.8
1,2-Dibromoethane (EDB)	0.21	Not Detected	1.6	Not Detected
Chlorobenzene	0.21	Not Detected	0.95	Not Detected
Ethyl Benzene	0.21	Not Detected	0.89	Not Detected
m,p-Xylene	0.21	Not Detected	0.89	Not Detected
o-Xylene	0.21	Not Detected	0.89	Not Detected
Styrene	0.21	0.21	0.88	0.90
1,1,2,2-Tetrachloroethane	0.21	Not Detected	1.4	Not Detected
1,3,5-Trimethylbenzene	0.21	Not Detected	1.0	Not Detected
1,2,4-Trimethylbenzene	0.21	Not Detected	1.0	Not Detected
1,3-Dichlorobenzene	0.21	Not Detected	1.2	Not Detected
1,4-Dichlorobenzene	0.21	Not Detected	1.2	Not Detected
alpha-Chlorotoluene	0.21	Not Detected	1.1	Not Detected
1,2-Dichlorobenzene	0.21	Not Detected	1.2	Not Detected
1,2,4-Trichlorobenzene	1.0	Not Detected	7.6	Not Detected
Hexachlorobutadiene	1.0	Not Detected	11	Not Detected
Propylene	1.0	Not Detected	1.8	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Acetone	1.0	11	2.4	26

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG3

ID#: 0502508A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030919	Date of Collection:	2/24/05
Dil. Factor:	2.06	Date of Analysis:	3/10/05 03:04 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	1.0	Not Detected	3.2	Not Detected
2-Propanol	1.0	Not Detected	2.5	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	2.2	3.0	6.6
Hexane	1.0	Not Detected	3.6	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.0	Not Detected
Cyclohexane	1.0	Not Detected	3.5	Not Detected
1,4-Dioxane	1.0	Not Detected	3.7	Not Detected
Bromodichloromethane	1.0	Not Detected	6.9	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.2	Not Detected
2-Hexanone	1.0	Not Detected	4.2	Not Detected
Dibromochloromethane	1.0	Not Detected	8.8	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.1	Not Detected
Ethanol	1.0	2.0	1.9	3.8
Methyl tert-butyl ether	1.0	Not Detected	3.7	Not Detected
Heptane	1.0	Not Detected	4.2	Not Detected
Naphthalene	1.0	Not Detected U J	5.4	Not Detected U J
2-Methylpentane	1.0	Not Detected	3.6	Not Detected
Isopentane	1.0	2.2	3.0	6.6
2,3-Dimethylpentane	1.0	Not Detected	4.2	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.8	Not Detected
Indene	1.0	Not Detected	4.9	Not Detected
Indan	1.0	Not Detected	5.0	Not Detected
Thiophene	1.0	Not Detected	3.5	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Ethane, 1-chloro-1,1-difluoro-	75-68-3	74%	5.1 N J
Butane	106-97-8	53%	5.4 N J
Cyclohexane, dodecafluoro-	355-68-0	56%	27 N J
2-Butene	107-01-7	50%	2.5 N J
Unknown	NA	NA	14 J
Unknown	NA	NA	3.4 J
Dodecanamide	1120-16-7	25%	2.1 N J
Unknown	NA	NA	2.8 J
Unknown	NA	NA	12 J
Unknown	NA	NA	2.9 J

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG3

ID#: 0502508A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030919	Date of Collection:	2/24/05
Dil. Factor:	2.06	Date of Analysis:	3/10/05 03:04 AM

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	99	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA1

ID#: 0502508A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030920	Date of Collection:	2/24/05
Dil. Factor:	1.71	Date of Analysis:	3/10/05 03:52 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.17	0.60	0.84	3.0
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	0.45	0.35	0.92
Vinyl Chloride	0.17	Not Detected	0.44	Not Detected
Bromomethane	0.17	Not Detected	0.66	Not Detected
Chloroethane	0.17	Not Detected	0.45	Not Detected
Freon 11	0.17	0.35	0.96	1.9
1,1-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Freon 113	0.17	Not Detected	1.3	Not Detected
Methylene Chloride	0.17	0.46	0.59	1.6
1,1-Dichloroethane	0.17	Not Detected	0.69	Not Detected
cis-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Chloroform	0.17	Not Detected	0.83	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Carbon Tetrachloride	0.17	Not Detected	1.1	Not Detected
Benzene	0.17	3.6	0.55	11
1,2-Dichloroethane	0.17	Not Detected	0.69	Not Detected
Trichloroethene	0.17	Not Detected	0.92	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.79	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
Toluene	0.17	5.6	0.64	21
trans-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Tetrachloroethene	0.17	0.32	1.2	2.1
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.79	Not Detected
Ethyl Benzene	0.17	0.62	0.74	2.7
m,p-Xylene	0.17	1.6	0.74	7.2
o-Xylene	0.17	0.49	0.74	2.1
Styrene	0.17	Not Detected	0.73	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.17	Not Detected	0.84	Not Detected
1,2,4-Trimethylbenzene	0.17	0.37	0.84	1.8
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.17	Not Detected	0.88	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.86	Not Detected	6.3	Not Detected
Hexachlorobutadiene	0.86	Not Detected	9.1	Not Detected
Propylene	0.86	Not Detected	1.5	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Acetone	0.86	6.3	2.0	15

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA1

ID#: 0502508A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030920	Date of Collection:	2/24/05
Dil. Factor:	1.71	Date of Analysis:	3/10/05 03:52 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
2-Propanol	0.86	1.5	2.1	3.7
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Hexane	0.86	1.1	3.0	3.8
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected
1,4-Dioxane	0.86	Not Detected	3.1	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	0.86	Not Detected	3.5	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	0.86	7.1	1.6	13
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
Heptane	0.86	Not Detected	3.5	Not Detected
Naphthalene	0.86	Not Detected U J	4.5	Not Detected U J
2-Methylpentane	0.86	1.8	3.0	6.4
Isopentane	0.86	7.2	2.5	21
2,3-Dimethylpentane	0.86	Not Detected	3.5	Not Detected
2,2,4-Trimethylpentane	0.86	1.1	4.0	5.3
Indene	0.86	Not Detected	4.1	Not Detected
Indan	0.86	Not Detected	4.1	Not Detected
Thiophene	0.86	Not Detected	2.9	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	3.4 J
Propane, 1-chloro-2-methyl-	513-36-0	53%	12 N J
Butane	106-97-8	59%	13 N J
1-Propene, 2-methyl-	115-11-7	53%	2.6 N J
Acetaldehyde	75-07-0	5.0%	5.3 N J
Pentane	109-66-0	64%	5.4 N J
Pentane, 2-bromo-	107-81-3	43%	5.3 N J
Pentane, 3-methyl-	96-14-0	64%	3.6 N J
1-Pentene, 2-methyl-	763-29-1	56%	2.8 N J
Cyclobutane	287-23-0	59%	3.5 N J

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A1

ID#: 0502508A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030920	Date of Collection: 2/24/05
Dil. Factor:	1.71	Date of Analysis: 3/10/05 03:52 AM

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	99	70-130
Toluene-d8	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A2

ID#: 0502508A-09A.

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030921	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/10/05 04:34 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.63	0.90	3.1
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.56	0.38	1.2
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.40	1.0	2.2
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.99	0.64	3.4
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	0.18	0.89	0.86 J
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	1.0	0.58	3.3
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	3.6	0.69	13
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	0.47	1.2	3.2
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	0.84	0.79	3.6
m,p-Xylene	0.18	2.6	0.79	11
o-Xylene	0.18	1.2	0.79	5.2
Styrene	0.18	0.22	0.78	0.96
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.34	0.90	1.7
1,2,4-Trimethylbenzene	0.18	1.0	0.90	5.2
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	32	2.2	75

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A2

ID#: 0502508A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030921	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/10/05 04:34 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	24	2.2	60
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	1.3	2.7	3.8
Hexane	0.92	1.6	3.2	5.5
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	0.95	3.1	3.3
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	34	1.7	64
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected U J	4.8	Not Detected U J
2-Methylpentane	0.92	1.2	3.2	4.4
Isopentane	0.92	4.0	2.7	12
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

J = Estimated value.

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	8.2 J
Unknown	NA	NA	8.9 J
Butane	106-97-8	53%	8.9 N J
Acetaldehyde	75-07-0	7.0%	12 N J
Cyclotetrasiloxane, octamethyl-	556-67-2	50%	4.3 N J
Decane	124-18-5	58%	3.9 N J
Unknown	NA	NA	2.7 J
N-(PENTAFLUOROBENZYLIDENE)-BETA,4-BIS(TR	0-00-0	36%	2.4 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A2

ID#: 0502508A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030921	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/10/05 04:34 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
4-Bromofluorobenzene	99	70-130
Toluene-d8	99	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA2 Duplicate

ID#: 0502508A-09AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030923	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/10/05 06:12 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.66	0.90	3.3
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.60	0.38	1.2
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.36	1.0	2.0
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	1.0	0.64	3.6
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	0.18	0.89	0.85 J
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	0.97	0.58	3.1
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	3.6	0.69	14
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	0.45	1.2	3.0
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	0.74	0.79	3.2
m,p-Xylene	0.18	2.8	0.79	12
o-Xylene	0.18	1.1	0.79	4.8
Styrene	0.18	0.25	0.78	1.1
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.28	0.90	1.4
1,2,4-Trimethylbenzene	0.18	1.0	0.90	5.1
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	32	2.2	75

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A2 Duplicate

ID#: 0502508A-09AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030923	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/10/05 06:12 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	24	2.2	59
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	1.2	2.7	3.6
Hexane	0.92	1.6	3.2	5.8
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	0.94	3.1	3.2
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	35	1.7	65
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected U J	4.8	Not Detected U J
2-Methylpentane	0.92	1.2	3.2	4.3
Isopentane	0.92	4.1	2.7	12
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

J = Estimated value.

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	7.7 J
Unknown	NA	NA	9.3 J
Butane	106-97-8	38%	9.3 N J
Acetaldehyde	75-07-0	3.0%	12 N J
Cyclotetrasiloxane, octamethyl-	556-67-2	59%	4.6 N J
Unknown	NA	NA	3.9 J
Unknown	NA	NA	2.5 J
N-(PENTAFLUOROBENZYLIDENE)-BETA,4-BIS(TR	0-00-0	45%	2.8 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A2 Duplicate

ID#: 0502508A-09AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030923	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/10/05 06:12 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
4-Bromofluorobenzene	99	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA3

ID#: 0502508A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030922	Date of Collection:	2/24/05
Dil. Factor:	1.79	Date of Analysis:	3/10/05 05:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.60	0.88	3.0
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.54	0.37	1.1
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
Bromomethane	0.18	Not Detected	0.70	Not Detected
Chloroethane	0.18	Not Detected	0.47	Not Detected
Freon 11	0.18	0.28	1.0	1.6
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.71	0.62	2.5
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Chloroform	0.18	Not Detected	0.87	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	1.0	0.57	3.4
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Trichloroethene	0.18	Not Detected	0.96	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
Toluene	0.18	3.4	0.67	13
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	0.42	1.2	2.8
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	0.88	0.78	3.8
m,p-Xylene	0.18	2.6	0.78	11
o-Xylene	0.18	0.97	0.78	4.2
Styrene	0.18	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.29	0.88	1.4
1,2,4-Trimethylbenzene	0.18	0.89	0.88	4.4
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected
Propylene	0.90	Not Detected	1.5	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Acetone	0.90	20	2.1	48

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA3

ID#: 0502508A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030922	Date of Collection: 2/24/05
Dil. Factor:	1.79	Date of Analysis: 3/10/05 05:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	0.90	16	2.2	40
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
Hexane	0.90	1.1	3.2	3.9
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected
1,4-Dioxane	0.90	Not Detected	3.2	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	0.90	28	1.7	53
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
Heptane	0.90	Not Detected	3.7	Not Detected
Naphthalene	0.90	Not Detected U J	4.7	Not Detected U J
2-Methylpentane	0.90	0.89 J	3.2	3.1 J
Isopentane	0.90	2.4	2.6	7.1
2,3-Dimethylpentane	0.90	Not Detected	3.7	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Indene	0.90	Not Detected	4.2	Not Detected
Indan	0.90	Not Detected	4.3	Not Detected
Thiophene	0.90	Not Detected	3.1	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

J = Estimated value.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	6.4 J
Butane	106-97-8	53%	5.3 N J
Acetaldehyde	75-07-0	7.0%	6.1 N J
Unknown	NA	NA	3.1 J
2H-Pyran-2-one, tetrahydro-5,6-dimethyl-	24405-16-1	42%	2.2 N J
Unknown	NA	NA	2.9 J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
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AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA3

ID#: 0502508A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030922	Date of Collection: 2/24/05
Dil. Factor:	1.79	Date of Analysis: 3/10/05 05:23 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA4

ID#: 0502508A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030924	Date of Collection: 2/24/05
Dil. Factor:	1.71	Date of Analysis: 3/10/05 06:54 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.17	0.66	0.84	3.3
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	0.45	0.35	0.94
Vinyl Chloride	0.17	Not Detected	0.44	Not Detected
Bromomethane	0.17	Not Detected	0.66	Not Detected
Chloroethane	0.17	Not Detected	0.45	Not Detected
Freon 11	0.17	0.32	0.96	1.8
1,1-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Freon 113	0.17	Not Detected	1.3	Not Detected
Methylene Chloride	0.17	0.38	0.59	1.3
1,1-Dichloroethane	0.17	Not Detected	0.69	Not Detected
cis-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Chloroform	0.17	Not Detected	0.83	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Carbon Tetrachloride	0.17	Not Detected	1.1	Not Detected
Benzene	0.17	0.52	0.55	1.7
1,2-Dichloroethane	0.17	Not Detected	0.69	Not Detected
Trichloroethene	0.17	Not Detected	0.92	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.79	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
Toluene	0.17	1.8	0.64	6.9
trans-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Tetrachloroethene	0.17	0.36	1.2	2.5
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	Not Detected	0.79	Not Detected
Ethyl Benzene	0.17	0.32	0.74	1.4
m,p-Xylene	0.17	1.0	0.74	4.4
o-Xylene	0.17	0.40	0.74	1.8
Styrene	0.17	Not Detected	0.73	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.17	Not Detected	0.84	Not Detected
1,2,4-Trimethylbenzene	0.17	0.37	0.84	1.8
1,3-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,4-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
alpha-Chlorotoluene	0.17	Not Detected	0.88	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.86	Not Detected	6.3	Not Detected
Hexachlorobutadiene	0.86	Not Detected	9.1	Not Detected
Propylene	0.86	Not Detected	1.5	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Acetone	0.86	5.4	2.0	13

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA4

ID#: 0502508A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030924	Date of Collection: 2/24/05
Dil. Factor:	1.71	Date of Analysis: 3/10/05 06:54 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
2-Propanol	0.86	1.4	2.1	3.5
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected
1,4-Dioxane	0.86	Not Detected	3.1	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	0.86	Not Detected	3.5	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	0.86	8.0	1.6	15
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
Heptane	0.86	Not Detected	3.5	Not Detected
Naphthalene	0.86	Not Detected U J	4.5	Not Detected U J
2-Methylpentane	0.86	Not Detected	3.0	Not Detected
Isopentane	0.86	4.2	2.5	12
2,3-Dimethylpentane	0.86	Not Detected	3.5	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Indene	0.86	Not Detected	4.1	Not Detected
Indan	0.86	Not Detected	4.1	Not Detected
Thiophene	0.86	Not Detected	2.9	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	50%	3.5 N J
Unknown	NA	NA	12 J
Unknown	NA	NA	9.8 J
1-Propene, 2-methyl-	115-11-7	64%	2.3 N J
Pentane	109-66-0	59%	3.1 N J
Cyclohexene, 1-methyl-5-(1-methylethenyl)	13898-73-2	74%	1.8 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A4

ID#: 0502508A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030924	Date of Collection: 2/24/05
Dil. Factor:	1.71	Date of Analysis: 3/10/05 06:54 AM

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	98	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A5

ID#: 0502508A-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030925	Date of Collection:	2/24/05
Dil. Factor:	1.79	Date of Analysis:	3/10/05 07:35 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.66	0.88	3.2
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.61	0.37	1.2
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
Bromomethane	0.18	Not Detected	0.70	Not Detected
Chloroethane	0.18	Not Detected	0.47	Not Detected
Freon 11	0.18	0.27	1.0	1.5
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	1.4	0.62	5.0
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Chloroform	0.18	0.21	0.87	1.0
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	2.0	0.57	6.2
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Trichloroethene	0.18	Not Detected	0.96	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
Toluene	0.18	5.2	0.67	20
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	0.59	1.2	4.0
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	1.4	0.78	6.0
m,p-Xylene	0.18	3.9	0.78	17
o-Xylene	0.18	1.4	0.78	6.0
Styrene	0.18	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.31	0.88	1.5
1,2,4-Trimethylbenzene	0.18	0.97	0.88	4.8
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected
Propylene	0.90	Not Detected	1.5	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Acetone	0.90	49	2.1	120

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A5

ID#: 0502508A-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030925	Date of Collection: 2/24/05
Dil. Factor:	1.79	Date of Analysis: 3/10/05 07:35 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	0.90	25	2.2	61
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	2.1	2.6	6.2
Hexane	0.90	2.4	3.2	8.6
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Cyclohexane	0.90	1.3	3.1	4.5
1,4-Dioxane	0.90	Not Detected	3.2	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	0.95	4.4	4.7
Ethanol	0.90	46 E	1.7	87 E
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
Heptane	0.90	Not Detected	3.7	Not Detected
Naphthalene	0.90	Not Detected U J	4.7	Not Detected U J
2-Methylpentane	0.90	1.8	3.2	6.4
Isopentane	0.90	5.1	2.6	15
2,3-Dimethylpentane	0.90	Not Detected	3.7	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Indene	0.90	Not Detected	4.2	Not Detected
Indan	0.90	Not Detected	4.3	Not Detected
Thiophene	0.90	Not Detected	3.1	Not Detected

E = Exceeds instrument calibration range.

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	9.4 J
Unknown	NA	NA	7.3 J
Butane	106-97-8	53%	9.8 N J
Acetaldehyde	75-07-0	4.0%	17 N J
Unknown	NA	NA	3.3 J
1-Hexene, 5-methyl-	3524-73-0	56%	4.6 N J
Unknown	NA	NA	3.5 J
Unknown	NA	NA	4.6 J
Tetradecane, 1-chloro-	2425-54-9	64%	2.4 N J

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA5

ID#: 0502508A-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030925	Date of Collection: 2/24/05
Dil. Factor:	1.79	Date of Analysis: 3/10/05 07:35 AM

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A6

ID#: 0502508A-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030926	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/10/05 08:17 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.59	0.90	2.9
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.51	0.38	1.0
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.31	1.0	1.8
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	1.5	0.64	5.1
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	0.31	0.89	1.5
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	1.3	0.58	4.1
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	6.2	0.69	23
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	0.57	1.2	3.9
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	1.2	0.79	5.2
m,p-Xylene	0.18	4.2	0.79	18
o-Xylene	0.18	1.8	0.79	7.7
Styrene	0.18	0.37	0.78	1.6
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.55	0.90	2.7
1,2,4-Trimethylbenzene	0.18	1.6	0.90	8.0
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	68	2.2	160

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA6

ID#: 0502508A-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030926	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/10/05 08:17 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	39	2.2	95
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	1.2	2.7	3.6
Hexane	0.92	3.1	3.2	11
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	1.7	3.1	5.9
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	1.3	4.5	6.3
Ethanol	0.92	56 E	1.7	100 E
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected U J	4.8	Not Detected U J
2-Methylpentane	0.92	1.4	3.2	5.1
Isopentane	0.92	5.4	2.7	16
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

E = Exceeds instrument calibration range.

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	16 J
Unknown	NA	NA	11 J
Butane	106-97-8	64%	13 N J
Acetaldehyde	75-07-0	80%	12 N J
Hexane, 3,4-dimethyl-	583-48-2	39%	4.5 N J
Cyclotetrasiloxane, octamethyl-	556-67-2	56%	4.3 N J
Benzene, 1-ethyl-2-methyl-	611-14-3	68%	2.2 N J
Undecane	1120-21-4	53%	3.3 N J
N-(PENTAFLUOROBENZYLIDENE)-BETA,4-BIS(TR	0-00-0	53%	3.8 N J

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A6

ID#: 0502508A-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030926	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/10/05 08:17 AM

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	94	70-130
Toluene-d8	107	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A7

ID#: 0502508A-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030927	Date of Collection:	2/24/05
Dil. Factor:	1.79	Date of Analysis:	3/10/05 08:58 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.56	0.88	2.8
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.18	0.33	0.37	0.69
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
Bromomethane	0.18	Not Detected	0.70	Not Detected
Chloroethane	0.18	Not Detected	0.47	Not Detected
Freon 11	0.18	0.26	1.0	1.5
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.55	0.62	1.9
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Chloroform	0.18	Not Detected	0.87	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
Benzene	0.18	0.79	0.57	2.5
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Trichloroethene	0.18	Not Detected	0.96	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
Toluene	0.18	2.2	0.67	8.4
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	0.36	1.2	2.4
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	0.49	0.78	2.1
m,p-Xylene	0.18	1.3	0.78	5.6
o-Xylene	0.18	0.71	0.78	3.1
Styrene	0.18	Not Detected	0.76	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.88	Not Detected
1,2,4-Trimethylbenzene	0.18	0.56	0.88	2.8
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected
Propylene	0.90	Not Detected	1.5	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Acetone	0.90	16	2.1	38

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A7

ID#: 0502508A-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030927	Date of Collection: 2/24/05
Dil. Factor:	1.79	Date of Analysis: 3/10/05 08:58 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	0.90	10	2.2	25
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
Hexane	0.90	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected
1,4-Dioxane	0.90	2.1	3.2	7.6
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	0.90	50 E	1.7	95 E
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
Heptane	0.90	Not Detected	3.7	Not Detected
Naphthalene	0.90	Not Detected U J	4.7	Not Detected U J
2-Methylpentane	0.90	Not Detected	3.2	Not Detected
Isopentane	0.90	3.2	2.6	9.5
2,3-Dimethylpentane	0.90	Not Detected	3.7	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Indene	0.90	Not Detected	4.2	Not Detected
Indan	0.90	Not Detected	4.3	Not Detected
Thiophene	0.90	Not Detected	3.1	Not Detected

E = Exceeds instrument calibration range.

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	5.9 J
Unknown	NA	NA	5.1 J
Butane	106-97-8	58%	5.8 N J
Acetaldehyde	75-07-0	5.0%	23 N J
Acetic acid, butyl ester	123-86-4	50%	3.1 N J
Dodecane, 2,5-dimethyl-	56292-65-0	64%	2.8 N J
Cyclohexene, 1-methyl-5-(1-methylethenyl)	13898-73-2	72%	3.6 N J
Octane, 2,2,6-trimethyl-	62016-28-8	50%	6.7 N J
Heptane, 2,4-dimethyl-	2213-23-2	64%	4.2 N J
Dodecane, 2,7,10-trimethyl-	74645-98-0	59%	2.6 N J

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A7

ID#: 0502508A-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030927	Date of Collection: 2/24/05
Dil. Factor:	1.79	Date of Analysis: 3/10/05 08:58 AM

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	92	70-130
Toluene-d8	103	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502508A-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030908	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/9/05 05:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected
Propylene	0.50	Not Detected	0.86	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502508A-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030908	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/9/05 05:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
1,4-Dioxane	0.50	Not Detected	1.8	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Naphthalene	0.50	Not Detected U J	2.6	Not Detected U J
2-Methylpentane	0.50	Not Detected	1.8	Not Detected
Isopentane	0.50	Not Detected	1.5	Not Detected
2,3-Dimethylpentane	0.50	Not Detected	2.0	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Indene	0.50	Not Detected	2.4	Not Detected
Indan	0.50	Not Detected	2.4	Not Detected
Thiophene	0.50	Not Detected	1.7	Not Detected

UJ = Non-detected compound associated with low bias in the CCV

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502508A-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030903	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/9/05 11:55 AM

Compound	%Recovery
Freon 12	105
Freon 114	113
Chloromethane	99
Vinyl Chloride	109
Bromomethane	97
Chloroethane	94
Freon 11	96
1,1-Dichloroethene	99
Freon 113	99
Methylene Chloride	89
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	107
Chloroform	100
1,1,1-Trichloroethane	98
Carbon Tetrachloride	96
Benzene	92
1,2-Dichloroethane	99
Trichloroethene	100
1,2-Dichloropropane	98
cis-1,3-Dichloropropene	107
Toluene	98
trans-1,3-Dichloropropene	106
1,1,2-Trichloroethane	109
Tetrachloroethene	99
1,2-Dibromoethane (EDB)	100
Chlorobenzene	99
Ethyl Benzene	110
m,p-Xylene	103
o-Xylene	100
Styrene	98
1,1,2,2-Tetrachloroethane	99
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	92
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	94
1,2-Dichlorobenzene	97
1,2,4-Trichlorobenzene	90
Hexachlorobutadiene	99
Propylene	126
1,3-Butadiene	114
Acetone	93

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502508A-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030903	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/9/05 11:55 AM

Compound	%Recovery
Carbon Disulfide	97
2-Propanol	98
trans-1,2-Dichloroethene	98
2-Butanone (Methyl Ethyl Ketone)	97
Hexane	100
Tetrahydrofuran	94
Cyclohexane	92
1,4-Dioxane	97
Bromodichloromethane	98
4-Methyl-2-pentanone	104
2-Hexanone	98
Dibromochloromethane	97
Bromoform	102
4-Ethyltoluene	97
Ethanol	90
Methyl tert-butyl ether	99
Heptane	99
Naphthalene	54 Q
2-Methylpentane	96
Isopentane	111
2,3-Dimethylpentane	110
2,2,4-Trimethylpentane	107
Indene	79
Indan	105
Thiophene	97

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	101	70-130
Toluene-d8	102	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502508A-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030904	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/9/05 12:58 PM

Compound	%Recovery
Freon 12	111
Freon 114	115
Chloromethane	92
Vinyl Chloride	117
Bromomethane	92
Chloroethane	102
Freon 11	104
1,1-Dichloroethene	103
Freon 113	107
Methylene Chloride	96
1,1-Dichloroethane	113
cis-1,2-Dichloroethene	122
Chloroform	110
1,1,1-Trichloroethane	114
Carbon Tetrachloride	108
Benzene	105
1,2-Dichloroethane	118
Trichloroethene	116
1,2-Dichloropropane	114
cis-1,3-Dichloropropene	122
Toluene	110
trans-1,3-Dichloropropene	109
1,1,2-Trichloroethane	114
Tetrachloroethene	100
1,2-Dibromoethane (EDB)	106
Chlorobenzene	104
Ethyl Benzene	117
m,p-Xylene	102
o-Xylene	114
Styrene	89
1,1,2,2-Tetrachloroethane	118
1,3,5-Trimethylbenzene	120
1,2,4-Trimethylbenzene	113
1,3-Dichlorobenzene	111
1,4-Dichlorobenzene	114
alpha-Chlorotoluene	114
1,2-Dichlorobenzene	120
1,2,4-Trichlorobenzene	108
Hexachlorobutadiene	119
Propylene	88
1,3-Butadiene	58 Q
Acetone	68

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502508A-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7030904	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/9/05 12:58 PM

Compound	%Recovery
Carbon Disulfide	63
2-Propanol	65
trans-1,2-Dichloroethene	64
2-Butanone (Methyl Ethyl Ketone)	66
Hexane	68
Tetrahydrofuran	71
Cyclohexane	66
1,4-Dioxane	81
Bromodichloromethane	67
4-Methyl-2-pentanone	73
2-Hexanone	68
Dibromochloromethane	62
Bromoform	53 Q
4-Ethyltoluene	87
Ethanol	61
Methyl tert-butyl ether	73
Heptane	64
Naphthalene	Not Spiked
2-Methylpentane	Not Spiked
Isopentane	Not Spiked
2,3-Dimethylpentane	Not Spiked
2,2,4-Trimethylpentane	Not Spiked
Indene	Not Spiked
Indan	Not Spiked
Thiophene	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	105	70-130



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

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Hours 8:00 A.M to 6:00 P.M. Pacific

E-mail to:samlereceiving@airtoxics.com

**AIR TOXICS LTD.**

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0502508B

Work Order Summary

CLIENT: Mr. Neil Feldscher
Emteque Corporation
508 8th Avenue Suite 900
New York, NY 10018

BILL TO: Mr. Neil Feldscher
Emteque Corporation
508 8th Avenue Suite 900
New York, NY 10018

PHONE: 212-631-9000

P.O. #

FAX: 212-631-8066

PROJECT # 04-2147 Turner W. 19th St.

DATE RECEIVED: 02/25/2005

CONTACT: Ausha Scott

DATE COMPLETED: 03/12/2005

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
06A	PH3-022405-SG2	Modified TO-15/TICs	7.0 "Hg
15A	PH3-022405-IA8	Modified TO-15/TICs	8.0 "Hg
16A	PH3-022405-IA9	Modified TO-15/TICs	8.0 "Hg
17A	PH3-022405-IA10	Modified TO-15/TICs	8.0 "Hg
17AA	PH3-022405-IA10 Duplicate	Modified TO-15/TICs	8.0 "Hg
18A	PH3-022405-IA11	Modified TO-15/TICs	1.5 "Hg
19A	Lab Blank	Modified TO-15/TICs	NA
20A	CCV	Modified TO-15/TICs	NA
21A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY:

Laboratory Director

DATE: 03/14/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 Low-level
Emteque Corporation
Workorder# 0502508B

Five 6 Liter Summa Special (100% Certified) samples were received on February 25, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Blank and standards	Zero air	Nitrogen
Dilutions for initial calibration	Dynamic dilutions or static using canisters.	Syringe dilutions may also be utilized.
BFB acceptance criteria	CLP protocol	SW-846 protocol
Daily Calibration	+/- 30% Difference	<= 30% Difference with four allowed out up to <=40%; flag and narrate outliers
ICAL %RSD acceptance criteria	+/- 30% RSD with 2 compounds allowed out to < 40% RSD	30% RSD with 4 compounds allowed out to < 40% RSD
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one individual analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Dilution was performed on sample PH3-022405-SG2 due to the presence of high level non-target species.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG2

ID#: 0502508B-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031021	Date of Collection:	2/24/05
Dil. Factor:	17500	Date of Analysis:	3/11/05 06:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1800	Not Detected	8600	Not Detected
Freon 114	1800	Not Detected	12000	Not Detected
Chloromethane	1800	Not Detected	3600	Not Detected
Vinyl Chloride	1800	Not Detected	4500	Not Detected
Bromomethane	1800	Not Detected	6800	Not Detected
Chloroethane	1800	Not Detected	4600	Not Detected
Freon 11	1800	Not Detected	9800	Not Detected
1,1-Dichloroethene	1800	Not Detected	6900	Not Detected
Freon 113	1800	Not Detected	13000	Not Detected
Methylene Chloride	1800	Not Detected	6100	Not Detected
1,1-Dichloroethane	1800	Not Detected	7100	Not Detected
cis-1,2-Dichloroethene	1800	Not Detected	6900	Not Detected
Chloroform	1800	Not Detected	8500	Not Detected
1,1,1-Trichloroethane	1800	Not Detected	9500	Not Detected
Carbon Tetrachloride	1800	Not Detected	11000	Not Detected
Benzene	1800	Not Detected	5600	Not Detected
1,2-Dichloroethane	1800	Not Detected	7100	Not Detected
Trichloroethene	1800	Not Detected	9400	Not Detected
1,2-Dichloropropane	1800	Not Detected	8100	Not Detected
cis-1,3-Dichloropropene	1800	Not Detected	7900	Not Detected
Toluene	1800	3800	6600	14000
trans-1,3-Dichloropropene	1800	Not Detected	7900	Not Detected
1,1,2-Trichloroethane	1800	Not Detected	9500	Not Detected
Tetrachloroethene	1800	Not Detected	12000	Not Detected
1,2-Dibromoethane (EDB)	1800	Not Detected	13000	Not Detected
Chlorobenzene	1800	Not Detected	8000	Not Detected
Ethyl Benzene	1800	Not Detected	7600	Not Detected
m,p-Xylene	1800	Not Detected	7600	Not Detected
o-Xylene	1800	Not Detected	7600	Not Detected
Styrene	1800	Not Detected	7400	Not Detected
1,1,2,2-Tetrachloroethane	1800	Not Detected	12000	Not Detected
1,3,5-Trimethylbenzene	1800	Not Detected	8600	Not Detected
1,2,4-Trimethylbenzene	1800	Not Detected	8600	Not Detected
1,3-Dichlorobenzene	1800	Not Detected	10000	Not Detected
1,4-Dichlorobenzene	1800	Not Detected	10000	Not Detected
alpha-Chlorotoluene	1800	Not Detected	9000	Not Detected
1,2-Dichlorobenzene	1800	Not Detected	10000	Not Detected
1,2,4-Trichlorobenzene	8800	Not Detected	65000	Not Detected
Hexachlorobutadiene	8800	Not Detected	93000	Not Detected
Propylene	8800	Not Detected	15000	Not Detected
1,3-Butadiene	8800	Not Detected	19000	Not Detected
Acetone	8800	Not Detected	21000	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG2

ID#: 0502508B-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031021	Date of Collection:	2/24/05
Dil. Factor:	17500	Date of Analysis:	3/11/05 06:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	8800	Not Detected	27000	Not Detected
2-Propanol	8800	13000	22000	33000
trans-1,2-Dichloroethene	8800	Not Detected	35000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	8800	Not Detected	26000	Not Detected
Hexane	8800	Not Detected	31000	Not Detected
Tetrahydrofuran	8800	Not Detected	26000	Not Detected
Cyclohexane	8800	63000	30000	220000
1,4-Dioxane	8800	Not Detected	32000	Not Detected
Bromodichloromethane	8800	Not Detected	59000	Not Detected
4-Methyl-2-pentanone	8800	Not Detected	36000	Not Detected
2-Hexanone	8800	Not Detected	36000	Not Detected
Dibromochloromethane	8800	Not Detected	74000	Not Detected
Bromoform	8800	Not Detected	90000	Not Detected
4-Ethyltoluene	8800	Not Detected	43000	Not Detected
Ethanol	8800	Not Detected	16000	Not Detected
Methyl tert-butyl ether	8800	Not Detected	32000	Not Detected
Heptane	8800	Not Detected	36000	Not Detected
Naphthalene	8800	Not Detected	46000	Not Detected
2-Methylpentane	8800	Not Detected	31000	Not Detected
Isopentane	8800	Not Detected	26000	Not Detected
2,3-Dimethylpentane	8800	Not Detected	36000	Not Detected
2,2,4-Trimethylpentane	8800	Not Detected	41000	Not Detected
Indene	8800	Not Detected	42000	Not Detected
Indan	8800	Not Detected	42000	Not Detected
Thiophene	8800	Not Detected	30000	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
2-Heptene	592-77-8	91%	170000 N J
2,4-Azetidinedione, 3,3-diethyl-1-methyl	69315-91-9	64%	620000 N J
cis-1-Butyl-2-methylcyclopropane	38851-69-3	59%	150000 N J
Heptane, 2-methyl-	592-27-8	72%	220000 N J
Furan, tetrahydro-2,5-dimethyl-, cis-	2144-41-4	64%	140000 N J
Cyclohexane, 1,4-dimethyl-, trans-	2207-04-7	91%	400000 N J
4-Undecene, 6-methyl-	0-00-0	56%	180000 N J
Unknown	NA	NA	170000 J
Cyclohexane, ethyl-	1678-91-7	86%	240000 N J
Cyclohexane, 1,1,3-trimethyl-	3073-66-3	90%	250000 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-SG2

ID#: 0502508B-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031021	Date of Collection: 2/24/05
Dil. Factor:	17500	Date of Analysis: 3/11/05 06:33 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	121	70-130
4-Bromofluorobenzene	97	70-130
Toluene-d8	104	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A8

ID#: 0502508B-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031016	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/11/05 01:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.59	0.90	2.9
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.32	0.38	0.67
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.29	1.0	1.6
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.37	0.64	1.3
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	0.63	0.58	2.0
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	1.9	0.69	7.2
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	0.40	1.2	2.7
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	0.34	0.79	1.5
m,p-Xylene	0.18	1.2	0.79	5.1
o-Xylene	0.18	0.40	0.79	1.8
Styrene	0.18	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.90	Not Detected
1,2,4-Trimethylbenzene	0.18	0.43	0.90	2.1
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	9.5	2.2	22

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A8

ID#: 0502508B-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031016	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/11/05 01:27 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	18	2.2	45
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	32	1.7	60
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected	4.8	Not Detected
2-Methylpentane	0.92	Not Detected	3.2	Not Detected
Isopentane	0.92	2.2	2.7	6.4
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	4.0 J
Unknown	NA	NA	6.0 J
Butane	106-97-8	53%	5.6 N J
Unknown	NA	NA	8.2 J
Unknown	NA	NA	2.3 J
Heptane, 4-azido-	27126-22-3	43%	2.1 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A8

ID#: 0502508B-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031016	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/11/05 01:27 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	92	70-130
Toluene-d8	103	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A9

ID#: 0502508B-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031017	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/11/05 02:34 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.54	0.90	2.7
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.38	0.38	0.78
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.31	1.0	1.7
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	1.2	0.64	4.0
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	1.0	0.58	3.3
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	3.4	0.69	13
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	0.46	1.2	3.1
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	1.0	0.79	4.4
m,p-Xylene	0.18	2.9	0.79	12
o-Xylene	0.18	1.2	0.79	5.3
Styrene	0.18	0.21	0.78	0.92
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.40	0.90	1.9
1,2,4-Trimethylbenzene	0.18	1.1	0.90	5.6
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	32	2.2	76

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A9

ID#: 0502508B-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031017	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/11/05 02:34 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	22	2.2	56
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	2.5	2.7	7.4
Hexane	0.92	1.4	3.2	5.0
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	1.0	3.1	3.5
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	32	1.7	59
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected	4.8	Not Detected
2-Methylpentane	0.92	0.96	3.2	3.4
Isopentane	0.92	4.0	2.7	12
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
3-Butenoic acid	625-38-7	64%	6.5 N J
Unknown	NA	NA	8.9 J
Butane	106-97-8	58%	10 N J
Unknown	NA	NA	12 J
Pentane, 3-methyl-	96-14-0	64%	3.3 N J
Unknown	NA	NA	3.6 J
1,2-Ethanediol, diacetate	111-55-7	28%	2.3 N J
Cyclotetrasiloxane, octamethyl-	556-67-2	72%	160 N J
Undecane, 3,9-dimethyl-	17301-31-4	53%	4.7 N J
Methyl sec-butyl disulphide	67421-87-8	90%	2.2 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA9

ID#: 0502508B-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031017	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/11/05 02:34 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	100	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A10

ID#: 0502508B-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031018	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/11/05 03:29 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.62	0.90	3.0
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.62	0.38	1.3
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.32	1.0	1.8
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.72	0.64	2.5
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	0.83	0.58	2.6
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	2.6	0.69	9.8
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	0.33	1.2	2.2
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	0.59	0.79	2.6
m,p-Xylene	0.18	1.5	0.79	6.5
o-Xylene	0.18	0.60	0.79	2.6
Styrene	0.18	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.21	0.90	1.0
1,2,4-Trimethylbenzene	0.18	0.58	0.90	2.8
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	20	2.2	48

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A10

ID#: 0502508B-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031018	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/11/05 03:29 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	16	2.2	38
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	67	1.7	120
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected	4.8	Not Detected
2-Methylpentane	0.92	Not Detected	3.2	Not Detected
Isopentane	0.92	2.3	2.7	6.8
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	6.1 J
Unknown	NA	NA	6.0 J
Butane	106-97-8	53%	6.5 N J
Unknown	NA	NA	29 J
Pentanamide	626-97-1	9.0%	4.1 N J
Decane	124-18-5	49%	2.9 N J
Nonane, 3,7-dimethyl-	17302-32-8	49%	3.0 N J
Cyclohexene, 1-methyl-5-(1-methylethenyl)	13898-73-2	68%	3.5 N J
Unknown	NA	NA	5.9 J
Decane, 4-methyl-	2847-72-5	49%	3.1 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A10

ID#: 0502508B-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031018	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/11/05 03:29 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
4-Bromofluorobenzene	95	70-130
Toluene-d8	104	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A10 Duplicate

ID#: 0502508B-17AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031019	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/11/05 04:45 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.18	0.61	0.90	3.0
Freon 114	0.18	Not Detected	1.3	Not Detected
Chloromethane	0.18	0.48	0.38	1.0
Vinyl Chloride	0.18	Not Detected	0.47	Not Detected
Bromomethane	0.18	Not Detected	0.71	Not Detected
Chloroethane	0.18	Not Detected	0.48	Not Detected
Freon 11	0.18	0.32	1.0	1.8
1,1-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Freon 113	0.18	Not Detected	1.4	Not Detected
Methylene Chloride	0.18	0.58	0.64	2.0
1,1-Dichloroethane	0.18	Not Detected	0.74	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Chloroform	0.18	Not Detected	0.89	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.2	Not Detected
Benzene	0.18	0.79	0.58	2.5
1,2-Dichloroethane	0.18	Not Detected	0.74	Not Detected
Trichloroethene	0.18	Not Detected	0.98	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.84	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
Toluene	0.18	2.5	0.69	9.6
trans-1,3-Dichloropropene	0.18	Not Detected	0.83	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	1.0	Not Detected
Tetrachloroethene	0.18	0.38	1.2	2.6
1,2-Dibromoethane (EDB)	0.18	Not Detected	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.84	Not Detected
Ethyl Benzene	0.18	0.58	0.79	2.5
m,p-Xylene	0.18	1.7	0.79	7.3
o-Xylene	0.18	0.59	0.79	2.6
Styrene	0.18	Not Detected	0.78	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
1,3,5-Trimethylbenzene	0.18	0.21	0.90	1.0
1,2,4-Trimethylbenzene	0.18	0.52	0.90	2.6
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.95	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.92	Not Detected	6.8	Not Detected
Hexachlorobutadiene	0.92	Not Detected	9.8	Not Detected
Propylene	0.92	Not Detected	1.6	Not Detected
1,3-Butadiene	0.92	Not Detected	2.0	Not Detected
Acetone	0.92	20	2.2	48

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A10 Duplicate

ID#: 0502508B-17AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031019	Date of Collection:	2/24/05
Dil. Factor:	1.83	Date of Analysis:	3/11/05 04:45 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.92	Not Detected	2.8	Not Detected
2-Propanol	0.92	15	2.2	38
trans-1,2-Dichloroethene	0.92	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.92	Not Detected	2.7	Not Detected
Hexane	0.92	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.92	Not Detected	2.7	Not Detected
Cyclohexane	0.92	Not Detected	3.1	Not Detected
1,4-Dioxane	0.92	Not Detected	3.3	Not Detected
Bromodichloromethane	0.92	Not Detected	6.1	Not Detected
4-Methyl-2-pentanone	0.92	Not Detected	3.7	Not Detected
2-Hexanone	0.92	Not Detected	3.7	Not Detected
Dibromochloromethane	0.92	Not Detected	7.8	Not Detected
Bromoform	0.92	Not Detected	9.4	Not Detected
4-Ethyltoluene	0.92	Not Detected	4.5	Not Detected
Ethanol	0.92	65	1.7	120
Methyl tert-butyl ether	0.92	Not Detected	3.3	Not Detected
Heptane	0.92	Not Detected	3.7	Not Detected
Naphthalene	0.92	Not Detected	4.8	Not Detected
2-Methylpentane	0.92	Not Detected	3.2	Not Detected
Isopentane	0.92	2.3	2.7	6.7
2,3-Dimethylpentane	0.92	Not Detected	3.8	Not Detected
2,2,4-Trimethylpentane	0.92	Not Detected	4.3	Not Detected
Indene	0.92	Not Detected	4.3	Not Detected
Indan	0.92	Not Detected	4.4	Not Detected
Thiophene	0.92	Not Detected	3.1	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	5.8 J
Unknown	NA	NA	6.0 J
Butane	106-97-8	53%	6.1 N J
Unknown	NA	NA	25 J
Pentanamide	626-97-1	9.0%	3.8 N J
Decane	124-18-5	22%	2.7 N J
Nonane, 3,7-dimethyl-	17302-32-8	53%	2.8 N J
Cyclohexene, 1-methyl-5-(1-methylethenyl	13898-73-2	74%	3.2 N J
Unknown	NA	NA	6.4 J
Decane, 4-methyl-	2847-72-5	43%	3.4 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-IA10 Duplicate

ID#: 0502508B-17AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031019	Date of Collection: 2/24/05
Dil. Factor:	1.83	Date of Analysis: 3/11/05 04:45 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
4-Bromofluorobenzene	99	70-130
Toluene-d8	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A11

ID#: 0502508B-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031020	Date of Collection:	2/24/05
Dil. Factor:	1.41	Date of Analysis:	3/11/05 05:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.14	0.63	0.70	3.1
Freon 114	0.14	Not Detected	0.98	Not Detected
Chloromethane	0.14	0.54	0.29	1.1
Vinyl Chloride	0.14	Not Detected	0.36	Not Detected
Bromomethane	0.14	Not Detected	0.55	Not Detected
Chloroethane	0.14	Not Detected	0.37	Not Detected
Freon 11	0.14	0.30	0.79	1.7
1,1-Dichloroethene	0.14	Not Detected	0.56	Not Detected
Freon 113	0.14	Not Detected	1.1	Not Detected
Methylene Chloride	0.14	0.54	0.49	1.8
1,1-Dichloroethane	0.14	Not Detected	0.57	Not Detected
cis-1,2-Dichloroethene	0.14	Not Detected	0.56	Not Detected
Chloroform	0.14	Not Detected	0.69	Not Detected
1,1,1-Trichloroethane	0.14	Not Detected	0.77	Not Detected
Carbon Tetrachloride	0.14	Not Detected	0.89	Not Detected
Benzene	0.14	0.84	0.45	2.7
1,2-Dichloroethane	0.14	Not Detected	0.57	Not Detected
Trichloroethene	0.14	Not Detected	0.76	Not Detected
1,2-Dichloropropane	0.14	Not Detected	0.65	Not Detected
cis-1,3-Dichloropropene	0.14	Not Detected	0.64	Not Detected
Toluene	0.14	2.1	0.53	7.9
trans-1,3-Dichloropropene	0.14	Not Detected	0.64	Not Detected
1,1,2-Trichloroethane	0.14	Not Detected	0.77	Not Detected
Tetrachloroethene	0.14	0.49	0.96	3.3
1,2-Dibromoethane (EDB)	0.14	Not Detected	1.1	Not Detected
Chlorobenzene	0.14	Not Detected	0.65	Not Detected
Ethyl Benzene	0.14	0.52	0.61	2.2
m,p-Xylene	0.14	1.5	0.61	6.4
o-Xylene	0.14	0.61	0.61	2.6
Styrene	0.14	Not Detected	0.60	Not Detected
1,1,2,2-Tetrachloroethane	0.14	Not Detected	0.97	Not Detected
1,3,5-Trimethylbenzene	0.14	0.17	0.69	0.85
1,2,4-Trimethylbenzene	0.14	0.46	0.69	2.3
1,3-Dichlorobenzene	0.14	Not Detected	0.85	Not Detected
1,4-Dichlorobenzene	0.14	Not Detected	0.85	Not Detected
alpha-Chlorotoluene	0.14	Not Detected	0.73	Not Detected
1,2-Dichlorobenzene	0.14	Not Detected	0.85	Not Detected
1,2,4-Trichlorobenzene	0.70	Not Detected	5.2	Not Detected
Hexachlorobutadiene	0.70	Not Detected	7.5	Not Detected
Propylene	0.70	Not Detected	1.2	Not Detected
1,3-Butadiene	0.70	Not Detected	1.6	Not Detected
Acetone	0.70	11	1.7	26

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A11

ID#: 0502508B-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031020	Date of Collection: 2/24/05
Dil. Factor:	1.41	Date of Analysis: 3/11/05 05:33 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.70	Not Detected	2.2	Not Detected
2-Propanol	0.70	7.7	1.7	19
trans-1,2-Dichloroethene	0.70	Not Detected	2.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.70	Not Detected	2.1	Not Detected
Hexane	0.70	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.70	Not Detected	2.1	Not Detected
Cyclohexane	0.70	Not Detected	2.4	Not Detected
1,4-Dioxane	0.70	Not Detected	2.5	Not Detected
Bromodichloromethane	0.70	Not Detected	4.7	Not Detected
4-Methyl-2-pentanone	0.70	Not Detected	2.9	Not Detected
2-Hexanone	0.70	Not Detected	2.9	Not Detected
Dibromochloromethane	0.70	Not Detected	6.0	Not Detected
Bromoform	0.70	Not Detected	7.3	Not Detected
4-Ethyltoluene	0.70	Not Detected	3.5	Not Detected
Ethanol	0.70	15	1.3	29
Methyl tert-butyl ether	0.70	Not Detected	2.5	Not Detected
Heptane	0.70	Not Detected	2.9	Not Detected
Naphthalene	0.70	Not Detected	3.7	Not Detected
2-Methylpentane	0.70	Not Detected	2.5	Not Detected
Isopentane	0.70	2.0	2.1	6.0
2,3-Dimethylpentane	0.70	Not Detected	2.9	Not Detected
2,2,4-Trimethylpentane	0.70	Not Detected	3.3	Not Detected
Indene	0.70	Not Detected	3.3	Not Detected
Indan	0.70	Not Detected	3.4	Not Detected
Thiophene	0.70	Not Detected	2.4	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	3.7 J
Propane, 2-methyl-	75-28-5	9.0%	5.4 N J
Unknown	NA	NA	5.2 J
Acetaldehyde	75-07-0	50%	5.3 N J
3-Buten-1-ol	627-27-0	50%	1.6 N J
1-Propanol, 2-methyl-	78-83-1	22%	2.0 N J
Propane, 2-methyl-1-nitro-	625-74-1	40%	2.2 N J
Cyclotetrasiloxane, octamethyl-	556-67-2	78%	2.8 N J
Unknown	NA	NA	1.9 J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
------------	-----------	------------------

AIR TOXICS LTD.

SAMPLE NAME: PH3-022405-1A11

ID#: 0502508B-18A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031020	Date of Collection:	2/24/05
Dil. Factor:	1.41	Date of Analysis:	3/11/05 05:33 AM

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	115	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502508B-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031008	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/10/05 06:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
Methylene Chloride	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected
Propylene	0.50	Not Detected	0.86	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0502508B-19A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031008	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/10/05 06:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
1,4-Dioxane	0.50	Not Detected	1.8	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	0.50	Not Detected	0.94	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Naphthalene	0.50	Not Detected	2.6	Not Detected
2-Methylpentane	0.50	Not Detected	1.8	Not Detected
Isopentane	0.50	Not Detected	1.5	Not Detected
2,3-Dimethylpentane	0.50	Not Detected	2.0	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Indene	0.50	Not Detected	2.4	Not Detected
Indan	0.50	Not Detected	2.4	Not Detected
Thiophene	0.50	Not Detected	1.7	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
None Identified			

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	97	70-130
Toluene-d8	99	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502508B-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/10/05 01:57 PM

Compound	%Recovery
Freon 12	101
Freon 114	106
Chloromethane	90
Vinyl Chloride	96
Bromomethane	76
Chloroethane	89
Freon 11	93
1,1-Dichloroethene	95
Freon 113	89
Methylene Chloride	78
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	110
Chloroform	93
1,1,1-Trichloroethane	91
Carbon Tetrachloride	90
Benzene	91
1,2-Dichloroethane	100
Trichloroethene	98
1,2-Dichloropropane	95
cis-1,3-Dichloropropene	101
Toluene	93
trans-1,3-Dichloropropene	102
1,1,2-Trichloroethane	105
Tetrachloroethene	98
1,2-Dibromoethane (EDB)	103
Chlorobenzene	98
Ethyl Benzene	108
m,p-Xylene	97
o-Xylene	93
Styrene	104
1,1,2,2-Tetrachloroethane	93
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	92
1,3-Dichlorobenzene	84
1,4-Dichlorobenzene	90
alpha-Chlorotoluene	79
1,2-Dichlorobenzene	88
1,2,4-Trichlorobenzene	100
Hexachlorobutadiene	114
Propylene	115
1,3-Butadiene	99
Acetone	87

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0502508B-20A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/10/05 01:57 PM

Compound	%Recovery
Carbon Disulfide	89
2-Propanol	80
trans-1,2-Dichloroethene	94
2-Butanone (Methyl Ethyl Ketone)	107
Hexane	89
Tetrahydrofuran	83
Cyclohexane	95
1,4-Dioxane	84
Bromodichloromethane	93
4-Methyl-2-pentanone	93
2-Hexanone	87
Dibromochloromethane	92
Bromoform	87
4-Ethyltoluene	93
Ethanol	101
Methyl tert-butyl ether	92
Heptane	94
Naphthalene	63
2-Methylpentane	101
Isopentane	104
2,3-Dimethylpentane	113
2,2,4-Trimethylpentane	104
Indene	85
Indan	114
Thiophene	97

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	100	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502508B-21A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/10/05 02:54 PM

Compound	%Recovery
Freon 12	115
Freon 114	115
Chloromethane	93
Vinyl Chloride	114
Bromomethane	99
Chloroethane	108
Freon 11	111
1,1-Dichloroethene	109
Freon 113	110
Methylene Chloride	91
1,1-Dichloroethane	118
cis-1,2-Dichloroethene	117
Chloroform	113
1,1,1-Trichloroethane	119
Carbon Tetrachloride	117
Benzene	104
1,2-Dichloroethane	120
Trichloroethene	109
1,2-Dichloropropane	108
cis-1,3-Dichloropropene	122
Toluene	104
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	116
Tetrachloroethene	104
1,2-Dibromoethane (EDB)	113
Chlorobenzene	108
Ethyl Benzene	122
m,p-Xylene	104
o-Xylene	112
Styrene	89
1,1,2,2-Tetrachloroethane	113
1,3,5-Trimethylbenzene	123
1,2,4-Trimethylbenzene	116
1,3-Dichlorobenzene	113
1,4-Dichlorobenzene	118
alpha-Chlorotoluene	109
1,2-Dichlorobenzene	120
1,2,4-Trichlorobenzene	113
Hexachlorobutadiene	108
Propylene	92
1,3-Butadiene	63
Acetone	69

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0502508B-21A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7031005	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/10/05 02:54 PM

Compound	%Recovery
Carbon Disulfide	64
2-Propanol	66
trans-1,2-Dichloroethene	63
2-Butanone (Methyl Ethyl Ketone)	64
Hexane	70
Tetrahydrofuran	73
Cyclohexane	69
1,4-Dioxane	74
Bromodichloromethane	68
4-Methyl-2-pentanone	72
2-Hexanone	66
Dibromochloromethane	63
Bromoform	56 Q
4-Ethyltoluene	90
Ethanol	64
Methyl tert-butyl ether	74
Heptane	68
Naphthalene	Not Spiked
2-Methylpentane	Not Spiked
Isopentane	Not Spiked
2,3-Dimethylpentane	Not Spiked
2,2,4-Trimethylpentane	Not Spiked
Indene	Not Spiked
Indan	Not Spiked
Thiophene	Not Spiked

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	95	70-130
Toluene-d8	102	70-130



Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. All Toxics Limited assumes no liability with respect to the collector, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

CHAIN-OF-CUSTODY RECORD

Contact Person Neil Felder
Company ENTERED US Corporation Email Neil@ENTEREDUS.com
Address 505 PM Ave., Ste 900 City New York State NY Zip 10018
Phone (212) 631-9000 Fax (212) 631-8066
Collected by: (Signature) Neil

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Info:
P.O. # _____
Project # 04-2147
Project Name Turn - W. 19th St.
Turn Around Time: ☒ Normal ☐ Rush
specify _____
Lab Use Only
Pressurized by: DS
Date: 3/1/05
Pressurization Gas: _____
He: (N)

Lab I.D.	Field Sample I.D. (Location)	Date	Time	Analyses Requested	Canister Pressure/Vacuum		
					Initial	Final	Receipt Final
01A	PH3-022405-AA1	2/24/05	1153	Ca Ed IA	-28.5	-5	5.576 5.016
02A	-	-	1146	-	-27.5	-5	5.076
03A	-	-	1144	-	-30	-8	5.076
04A	-	-	1150	-	-29.5	-4.0	1.076
05A	-	-	1203	-	-28.5	-6.5	6.576
06A	-	-	1156	-	-29.5	-9	7.076
07A	-	-	1153	-	-30	-12.5	10.576
08A	-	-	1203	-	-28	-7	6.576
09A	-	-	1158	-	-29	-22	8.076
10A	-	-	1152	-	-30	-10	7.576

Received by: (signature) _____ Date/Time 1010 Notes: _____
Relinquished by: (signature) Neil Date/Time 3/1/05 1600
Relinquished by: (signature) _____ Date/Time _____
Relinquished by: (signature) _____ Date/Time _____

Shipper Name: _____ Air Bill # _____
Temp (°C) _____ Condition good Custody/Seals Intact? Yes No None Work Order # 0502508



Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

CHAIN-OF-CUSTODY RECORD

Contact Person Neil Feldman
Company ENTREAVE Corporation Email Neil@NYSBAE.com
Address 501 8th Ave., 8th Floor City New York State NY Zip 10018
Phone (212) 631-9000 Fax (212) 631-8066
Collected by: (Signature) [Signature]

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 2 of 2

Project Info:
P.O. # _____
Project # 04-2147
Project Name Turn-in 1996 SA

Lab Use Only
Turn Around Time: 68
Pressurized by: 68
Date: 3/1/05
Pressurization Gas: He

Lab I.D.	Field Sample I.D. (Location)	Date	Time	Analyses Requested	Canister Pressure/Vacuum		
					Initial	Final	Receipt Final (psi)
11A	PH3-022405 - IAY	2/24/05	1202	Can Eq IAY	-30	-20	6.54 5.045
12A	- IAY		1154		-30	-9	7.54
13A	- IAY		1155		-29	-8.5	8.04
14A	- IAY		1151		-30	-9	7.54
15A	- IAY		1152		-30	-9	8.04
16A	- IAY		1158		Validated 8.04		
17A	- IAY		1152		-30	-9	8.04
18A	- IAY		1152		-30	-4	1.54

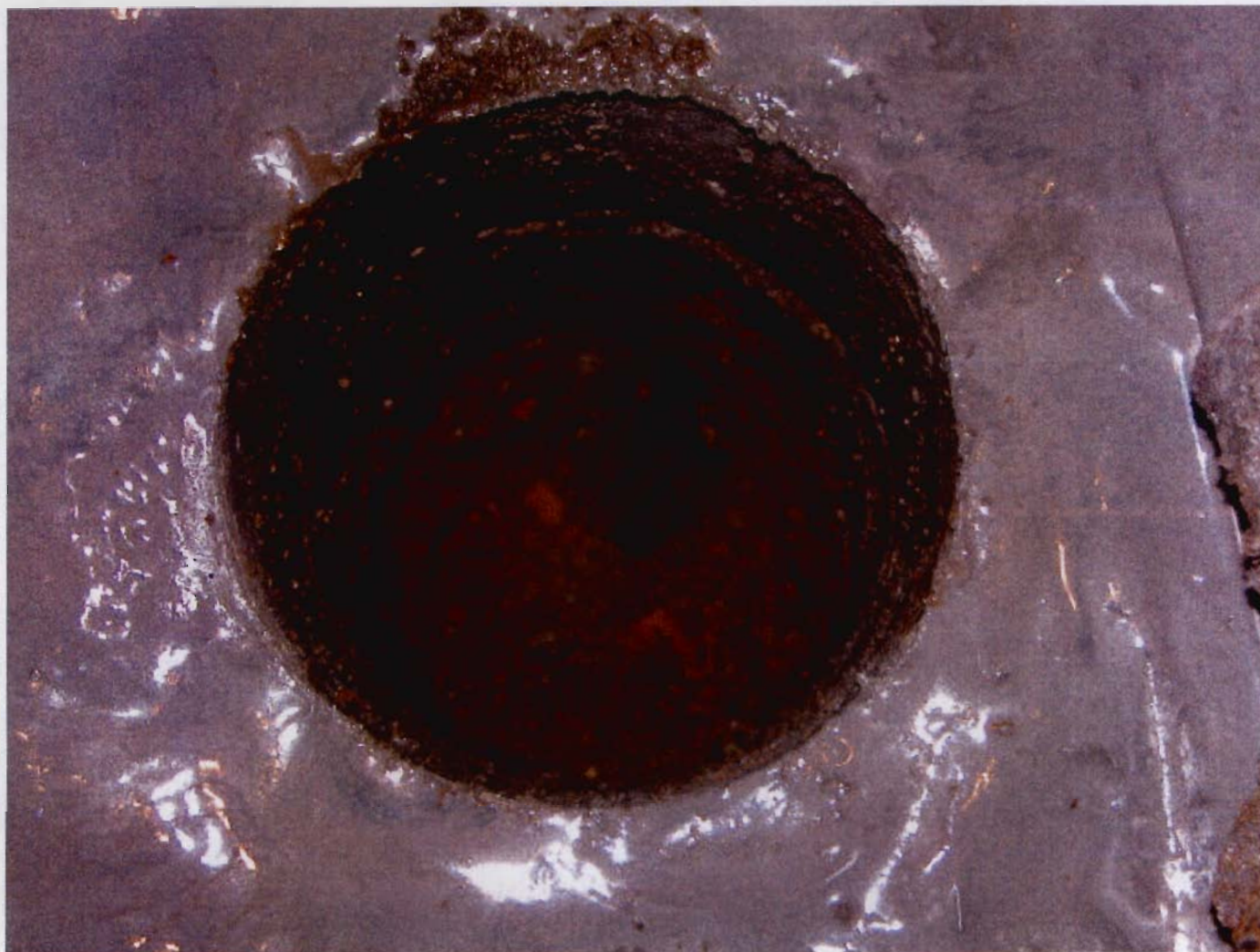
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Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____

Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____

Shipper Name Felix Air Bill # 79148794 137 Temp (°C) - Condition good Custody Seals Intact? Yes No None Work Order # 0502508

APPENDIX M
SITE PHOTOGRAPHS



Typical soil gas monitoring point boring as performed by TRC Environmental on behalf of Consolidated Edison.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

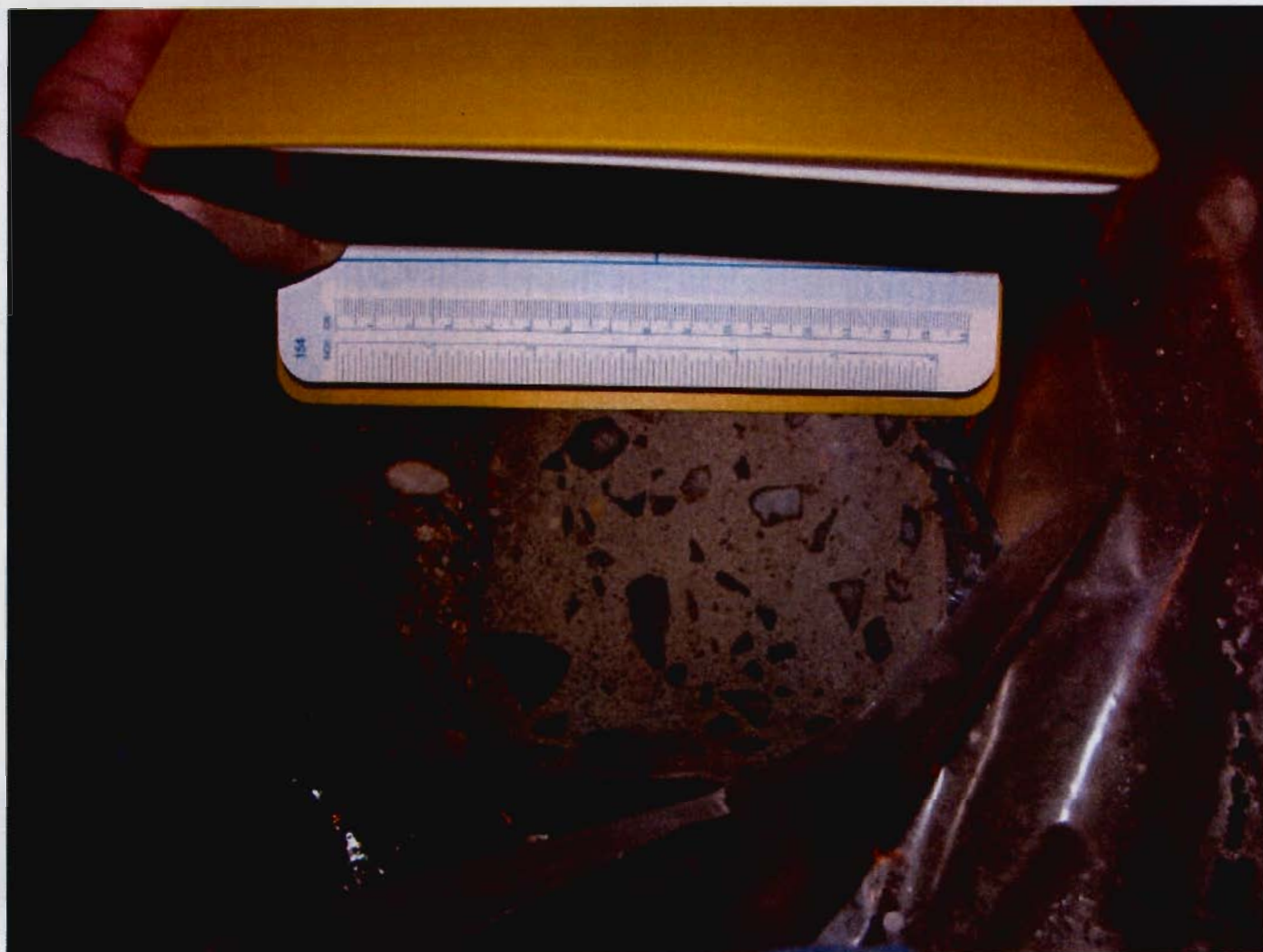
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

1



Typical soil gas monitoring point boring as performed by TRC Environmental on behalf of Consolidated Edison.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling
Turner Construction Company
West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

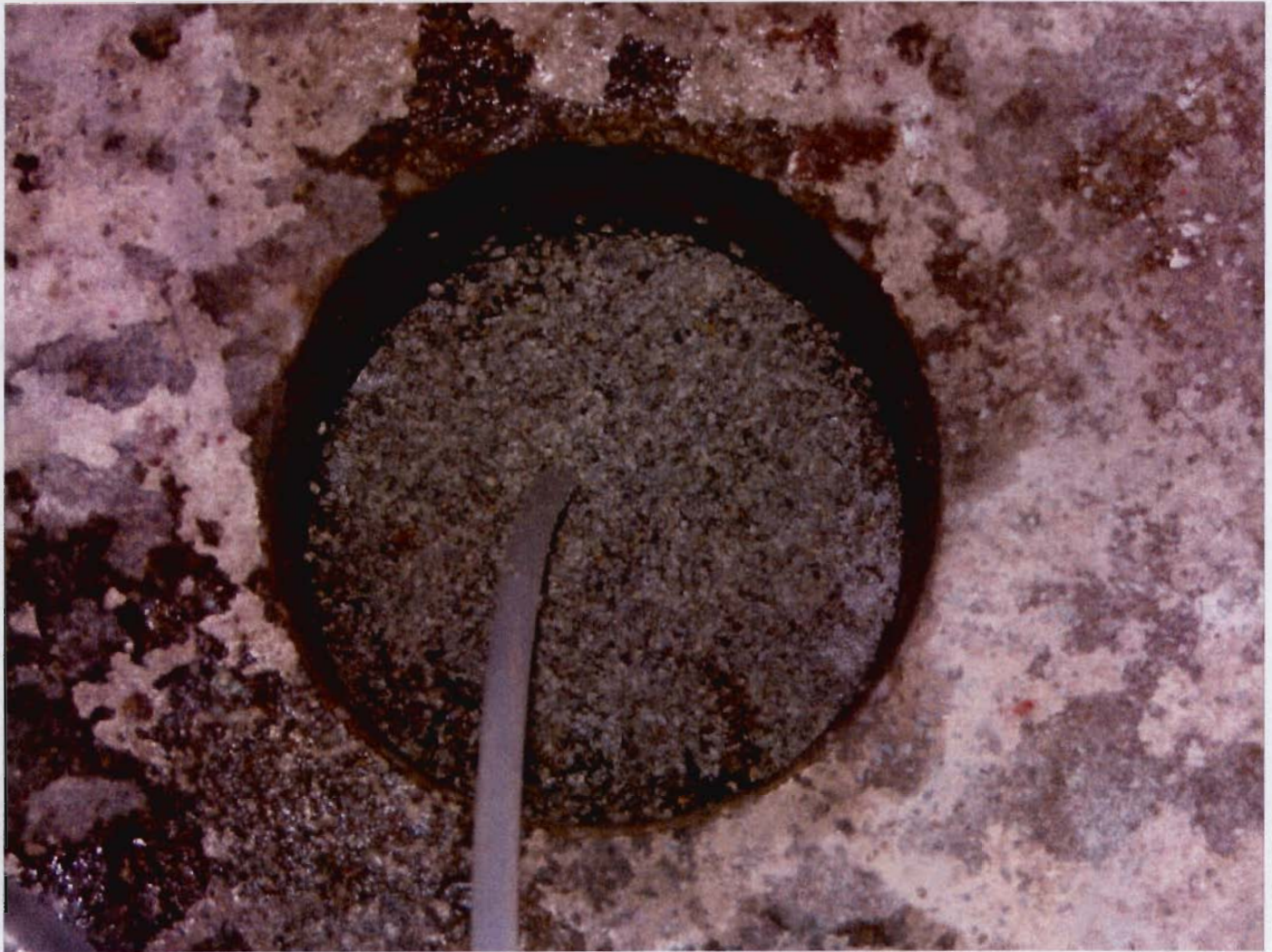
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

2



Typical soil gas monitoring point as performed by TRC Environmental on behalf of Consolidated Edison.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling
Turner Construction Company
West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

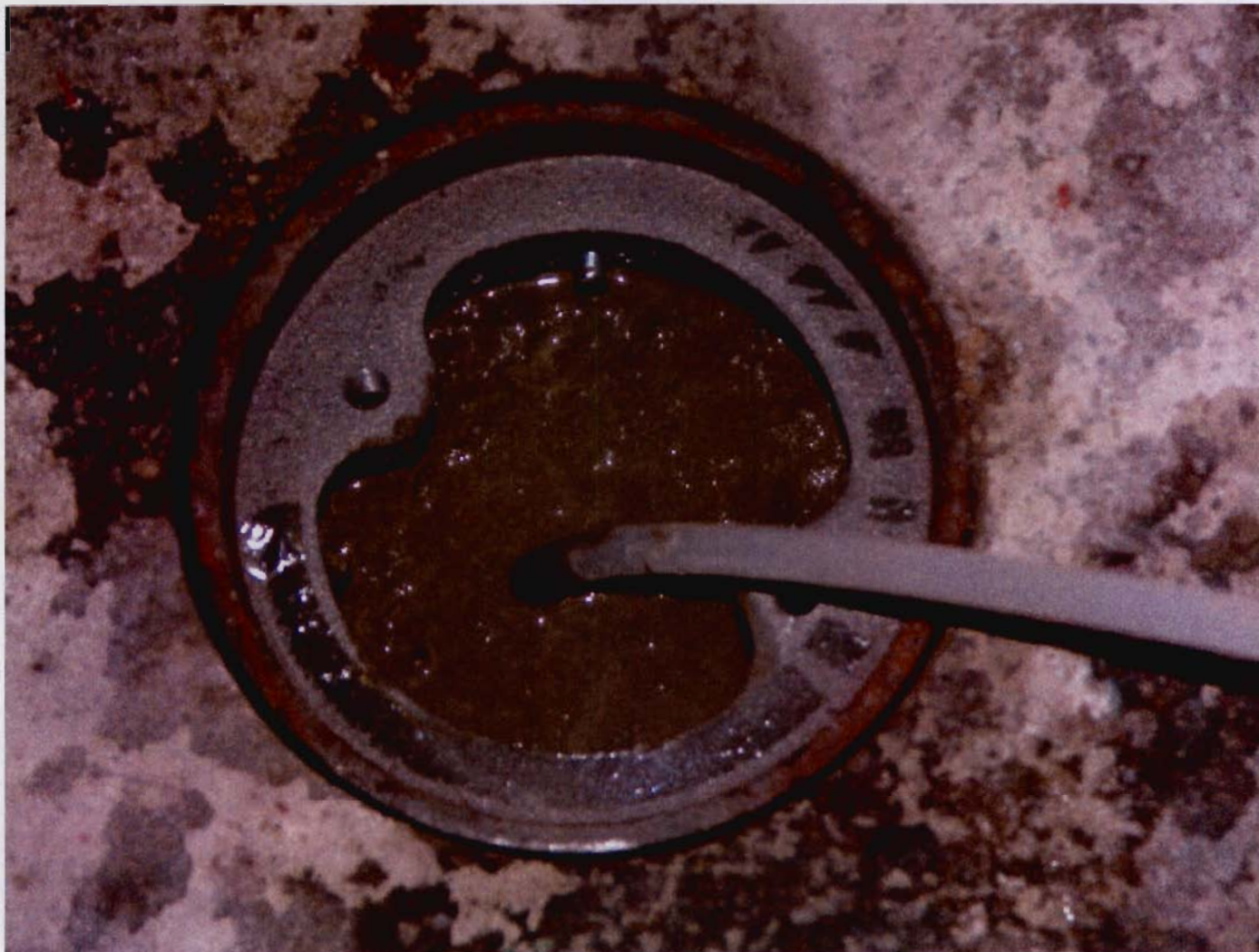
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

3



Typical soil gas monitoring point as performed by TRC Environmental on behalf of Consolidated Edison.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



EMTEQUE

PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH

NO.

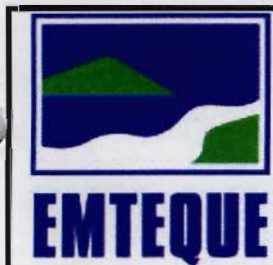
4



TRC Environmental Phase I air sample from SG-2. This is the typical TRC soil gas monitoring point sample set-up. Note polyethylene sheeting and duct tape utilized to seal crack running through the area of the soil gas point.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

5



TRC Environmental Phase I typical indoor air sample set-up.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

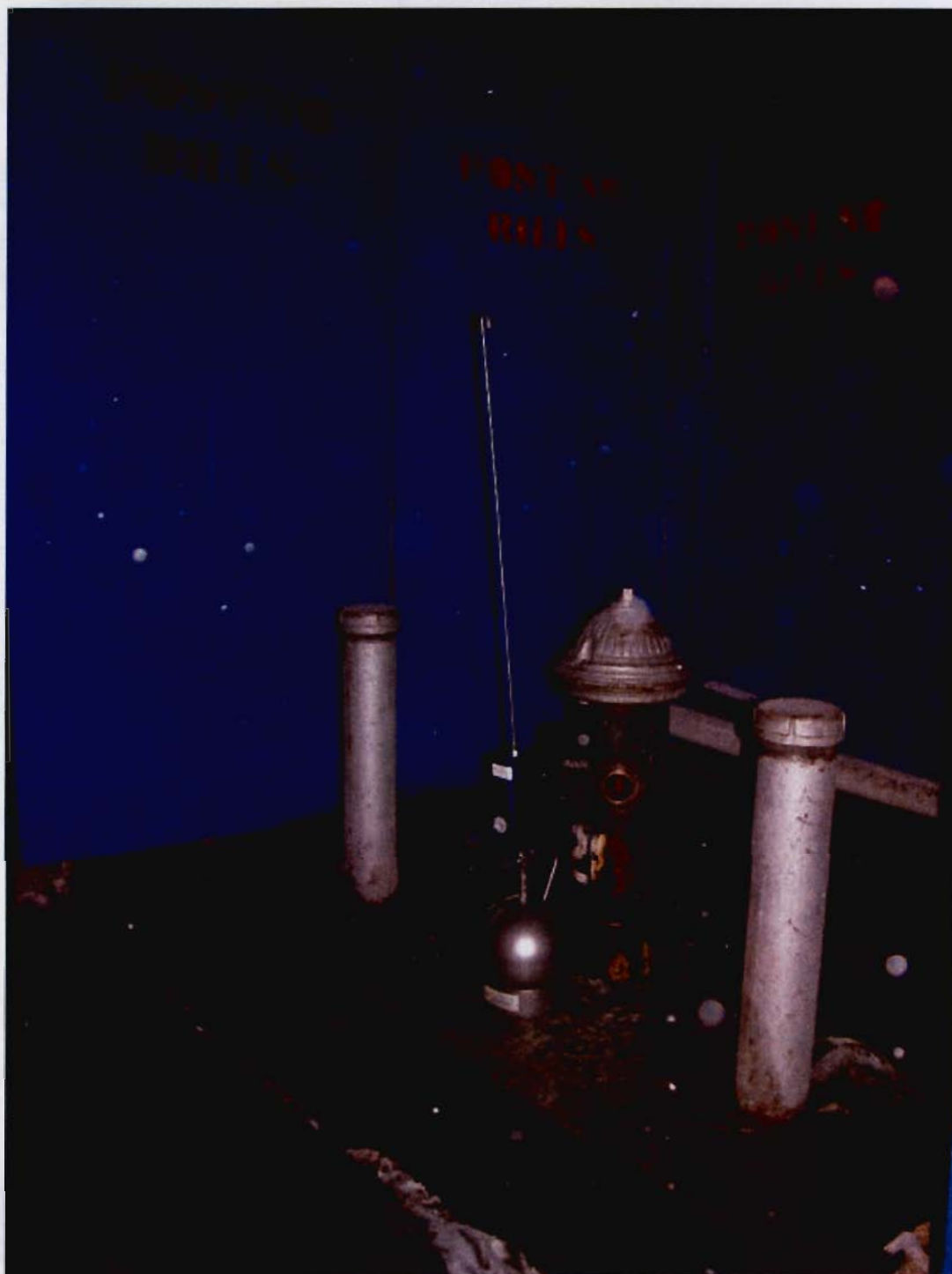
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

6



TRC Environmental Phase I typical ambient air sample set-up.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



EMTEQUE

PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH

NO.

7



Typical EMTEQUE soil gas air sample set-up.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

**Volatile Organic Compound
Air Monitoring and Sampling**

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

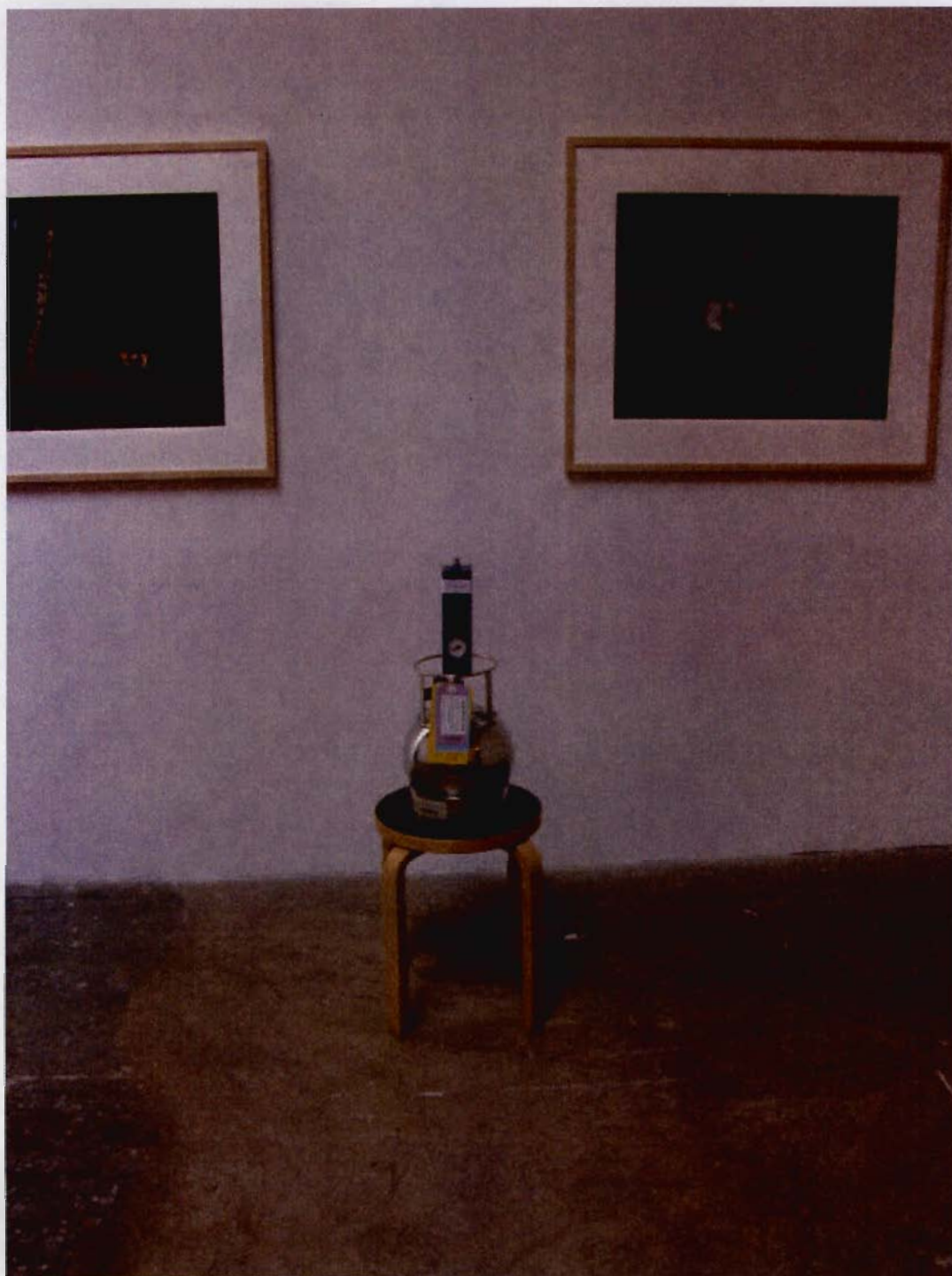
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

8



Typical EMTEQUE indoor air sample set-up.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

**Volatile Organic Compound
Air Monitoring and Sampling**
Turner Construction Company
West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

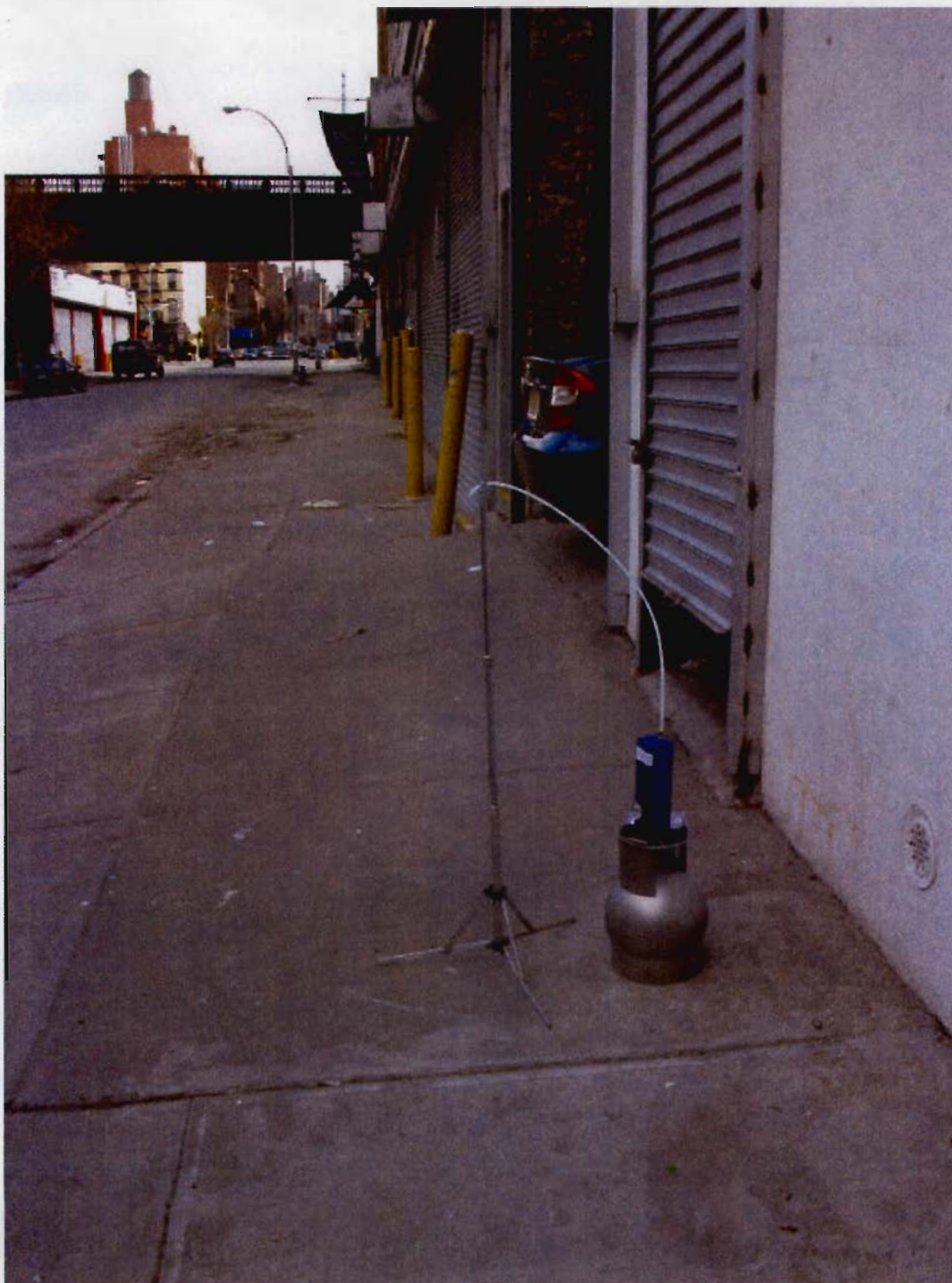
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

9



Typical EMTEQUE ambient air sample set-up.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling
Turner Construction Company
West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

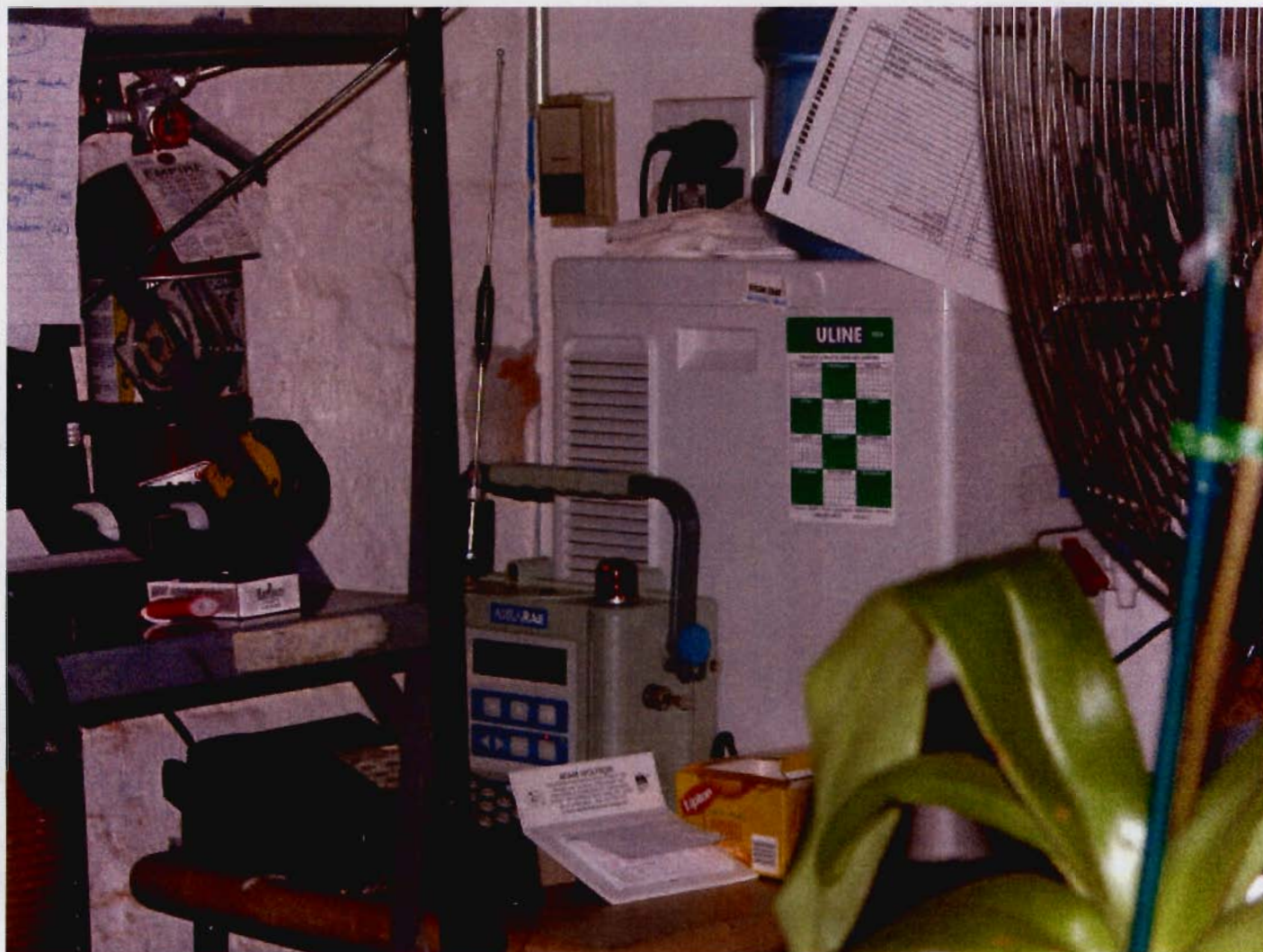
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH NO.

10



AreaRAE photoionization detector in first floor florist shop alongside the water cooler with the Gasser Building's western wall visible behind the unit. This detector was #1 of the three detectors established as part of the VOC monitoring program.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

**Volatile Organic Compound
Air Monitoring and Sampling**
Turner Construction Company
West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

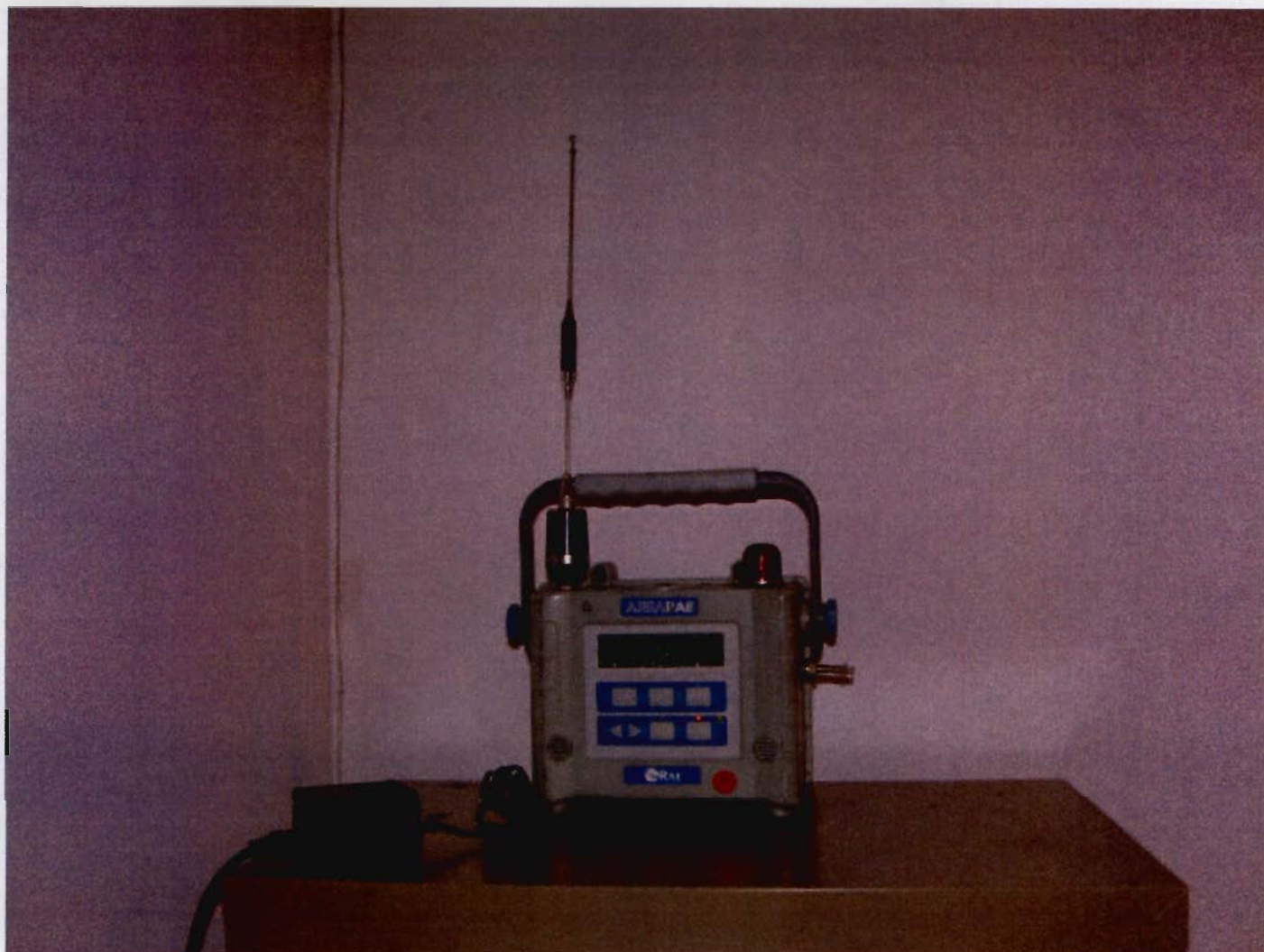
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

11



AreaRAE photoionization detector in second floor gallery hallway outside the gallery offices. This detector was #3 of the three detectors established as part of the VOC monitoring program.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

**Volatile Organic Compound
Air Monitoring and Sampling**
Turner Construction Company
West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

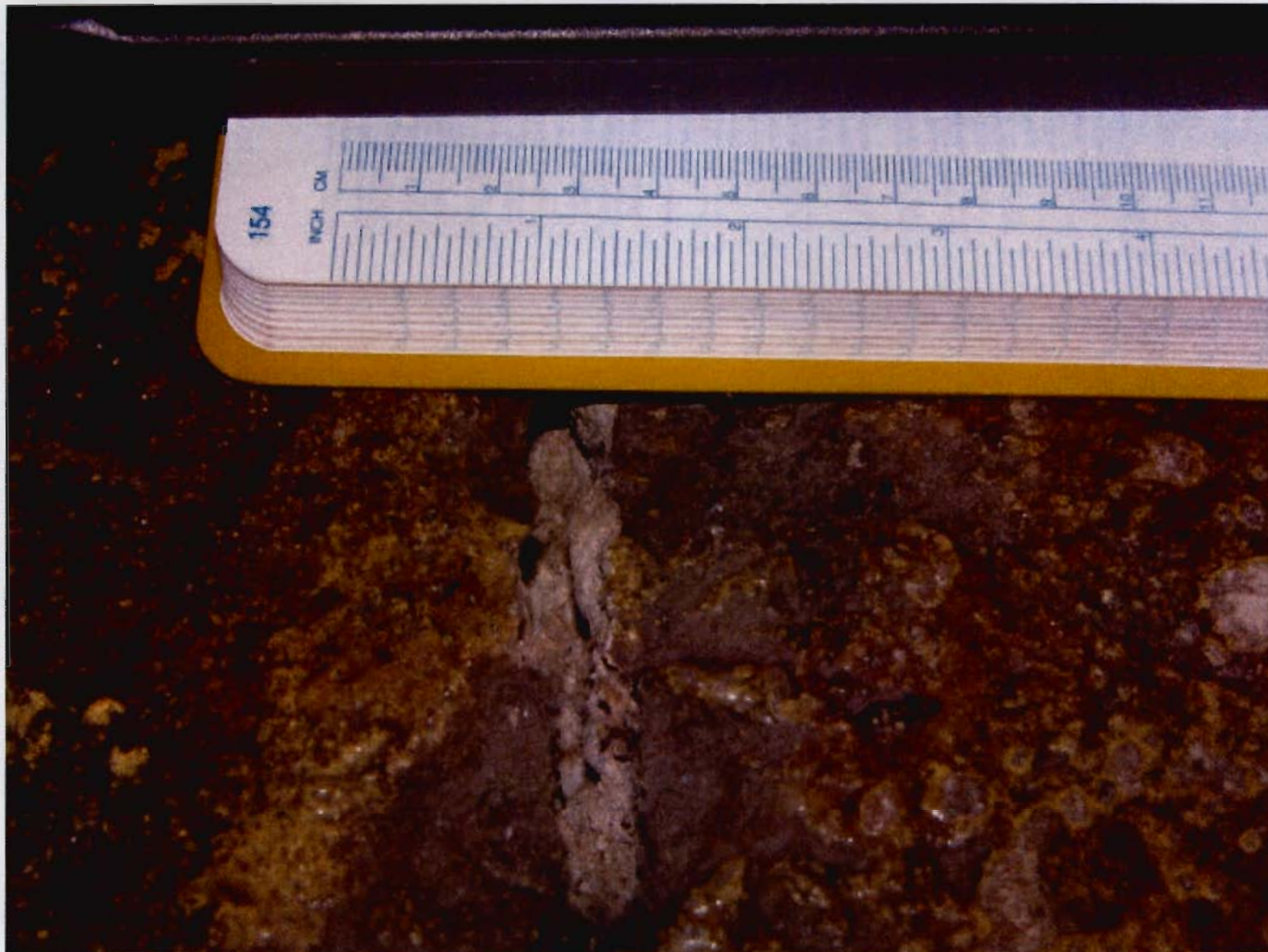
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

12



Floor crack near bottom of entrance ramp in the first floor florist shop.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling
Turner Construction Company
West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

13



Floor crack near the florist work area in the first floor florist shop.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

14



Photoionization detector monitoring in floor crack by florist work area during EMTEQUE's site inspection.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



EMTEQUE

PROJECT:

**Volatile Organic Compound
Air Monitoring and Sampling**

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH

NO.

15



Wall cracks observed in the first floor florist space on the western wall of the Gasser Building.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



EMTEQUE

PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

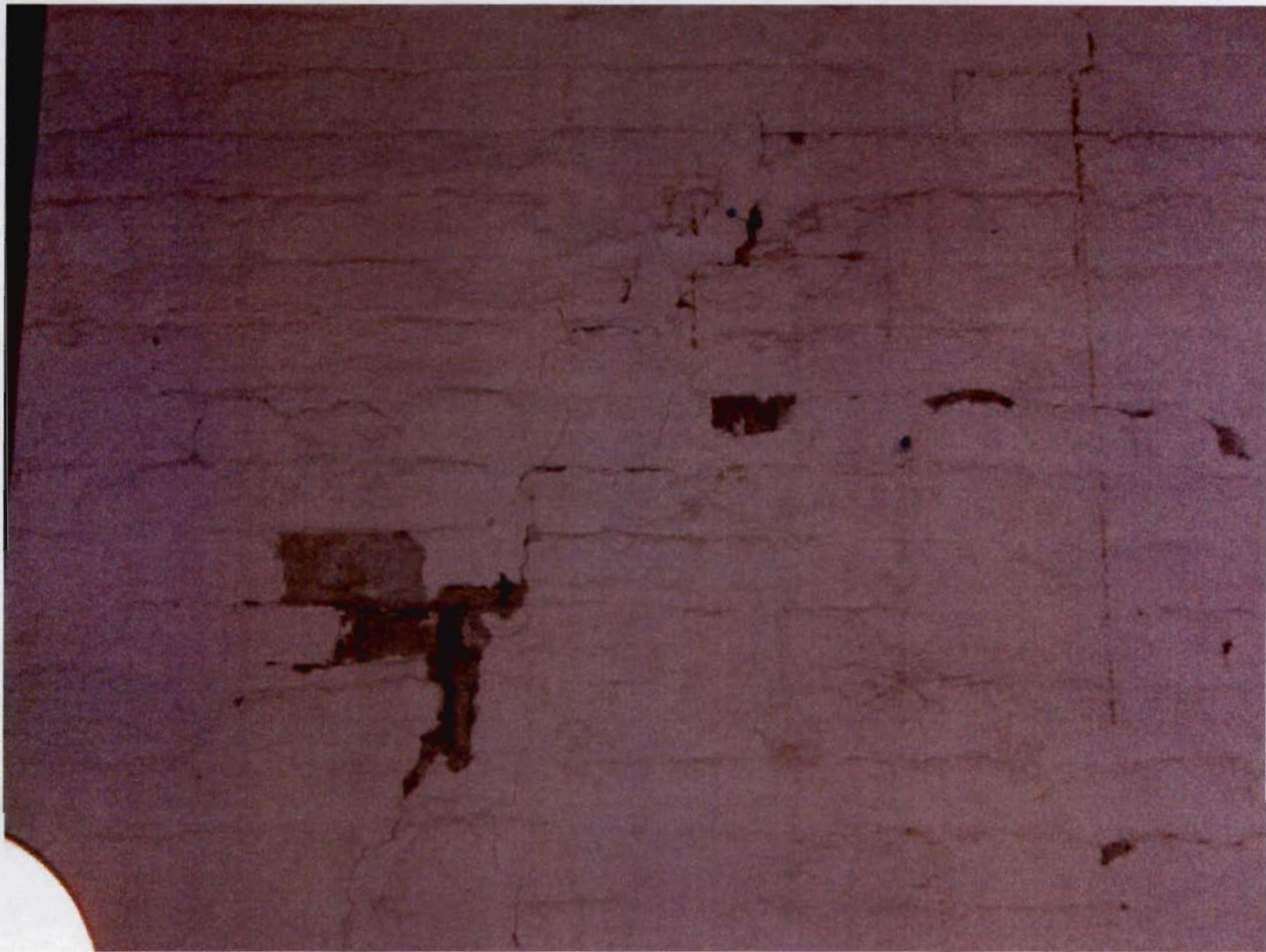
3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

16



Wall cracks observed in the second floor gallery office space on the western wall of the Gasser Building.

505 EIGHTH AVENUE, SUITE 900
NEW YORK, NEW YORK 10018

ENVIRONMENTAL/CONSULTING ENGINEERS



EMTEQUE

PROJECT:

Volatile Organic Compound
Air Monitoring and Sampling

Turner Construction Company

West 19th Street Development Site
New York, New York

TITLE:

Site Photograph

SCALE:

As Noted

DATE:

3/21/05

PROJECT NO.

04-2147

PHOTOGRAPH
NO.

17

APPENDIX N

**AIR MONITORING
PROGRAM RESULTS**

PID #1

Appendix N
Part 1 of 3

APPENDIX N

**AIR MONITORING
PROGRAM RESULTS**

PID #2

Appendix N
Part 2 of 3