101 FROST STREET ASSOCIATES
NEXT MILLENIUM REALTY, LLC
HICKSVILLE, NEW YORK

ON-SITE SOIL VAPOR INTRUSION
INVESTIGATION SUMMARY REPORT - REVISED

OPERABLE UNIT 02 – COMBINED GROUNDWATER
FROST STREET SITES (SITE # 1-30-043 I, L, M)
NEW CASSEL INDUSTRIAL AREA
WESTBURY, NEW YORK

SPGL00100

MARCH 2008

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1 INTRODUCTION

Walden Environmental Engineering, PLLC (Walden) has prepared this report to summarize the results of the March 2007 on-site soil vapor intrusion (SVI) investigation at the Frost Street Sites. The SVI investigation was completed in accordance with the *Work Plan for On-site Vapor Intrusion Investigation, Frost Street Inactive Hazardous Waste Disposal Sites, New Cassel Industrial Area, Westbury, NY* (SVI Investigation Work Plan, Sterling Environmental Engineering, P.C., August 9, 2006, revised February 9, 2007). The SVI Investigation Work Plan was approved by the New York State Department of Environmental Conservation (NYSDEC).

Extensive investigations have been conducted to characterize soil, soil vapor and groundwater contamination at the Frost Street Sites. The soil vapor extraction/air sparging (SVE/AS) system installed at the Frost Street Sites in accordance with NYSDEC's March 2000 Record of Decision (ROD) is actively removing contaminated vapors from the subsurface. However, potential impacts to buildings and indoor air quality associated with these subsurface vapors were not previously assessed. Accordingly, the SVI investigation was conducted to address concerns related to the potential for vapor intrusion from contaminated soil gas and potential impacts on indoor air quality.

The SVI Investigation Work Plan was developed in accordance with NYSDEC's *DER-13: Strategy for Evaluating Soil Vapor Intrusion at Remedial Sites in New York* (issued October 18, 2006) and the New York State Department of Health (NYSDOH) *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (dated October 2006).

A brief site history and description of the SVE/AS remedy being implemented at the Frost Street Sites is presented below, along with the objectives of the SVI investigation. Section 2 describes the SVI investigation field work conducted at the Frost Street Sites. Section 3 summarizes the SVI investigation sampling results. Section 4 presents an evaluation of the SVI investigation results.

1.1 Site History and Selected Remedy

The Frost Street Sites are located west of the intersection of Old Country Road and the Wantagh State Parkway in the New Cassel Industrial Area (NCIA). Refer to Figure 1 for the site location map. The Frost Street Sites are listed by the NYSDEC as Site No. 1-30-043 I (Former Autoline Automotive Site), 1-30-043 L (89 Frost Street Site), and 1-30-043 M (Former Applied Fluidics Site). The contaminants of concern at the Frost Street Sites are volatile organic contaminants (VOCs), including tetrachloroethylene (PCE) and trichloroethylene (TCE).

A Remedial Investigation/Feasibility Study (RI/FS) was conducted at the Frost Street Sites during 1997-1999 by NYSDEC's contractor, Lawler Matusky & Skelly Engineers, LLP (LMS) of Pearl River, New York. The NYSDEC issued Records of Decision (RODs) in March 2000 for operable units presenting the selected remedies for soil and groundwater contamination at the Frost Street Sites. The NYSDEC issued three RODs for Operable Unit 01 – Soil, which addressed soil issues at each of the three individual sites. The second operable unit (Operable Unit 02 – Combined Groundwater) addresses combined groundwater remediation for the three Frost Street Sites. The investigation of off-site groundwater contamination migrating south of Old Country Road has been addressed by the NYSDEC as Operable Unit 03 – Off-site Groundwater.

The soil remedy included excavating surficial soil contamination, cleaning contaminated drywells, and designing and operating a SVE system to remove contaminated vapors from the subsurface for treatment. Contaminated soil identified by LMS at the northwest corner of the 101 Frost Street site was removed from the surface to 18 inches below grade and disposed of off-site. Contaminated sediments were removed from ten drywells located at 89 and 101 Frost Street by a vacuum truck and disposed of off-site by Allied Environmental Group, Inc. at Clean Earth of Carteret, New Jersey as non-hazardous waste. Figure 2 shows the locations of these dry wells.

Under the combined groundwater remedy, a SVE/AS system was selected to address VOC contamination in groundwater near the source areas, coupling soil and groundwater treatment in these areas. In-well air stripping was selected to remediate the deeper groundwater contamination in the vicinity of Old Country Road.

Walden designed the SVE/AS remediation system to remove PCE and TCE from contaminated soils below the invert of the drywells that could not be excavated without compromising the structures, and to treat the contaminants of concern in the shallow on-site groundwater near the source areas. The system was designed in accordance with the March 2000 RODs, the NYSDEC approved *Remedial Design Investigative Work Plan* (Walden, September 2001); *Soil Vapor Extraction/Air Sparge Pilot Study Report and System Design* (Walden, February 2005); and *Revised SVE/AS Plans* (Walden, March 9, 2005).

In September 2005, the SVE/AS remedial system, consisting of eight SVE wells and 19 AS wells, was started up to treat source area soil and groundwater contamination subsequent to on-site excavation activities. The SVE/AS well locations are shown on Figure 3. The SVE wells place a vacuum on the soils in the vicinity of the SVE wells. The vapor extraction rate of the SVE wells was designed to exceed the rate of air introduced to the subsurface by the AS wells so that all air sparge generated contaminated vapors are collected. This vacuum influences the movement of subsurface vapors in the vicinity of the on-site buildings.

The design radius of influence of each SVE well is approximately 120 feet and 35 feet for each air sparging point. The volumetric flow rate of the air sparging system is 205 cubic feet per minute (cfm) and 476 cfm for the SVE system. These radii of influence and flow rate figures were determined based on remedial system design. The SVE/AS system is operated, maintained and monitored in accordance with the NYSDEC-approved *Final Engineering Report and Operation, Maintenance and Monitoring Plan* (O,M&M Plan, Walden, June 2006). This remedial system will continue to operate until shutdown thresholds are met.

1.2 SVI Investigation Objectives

NYSDEC and NYSDOH developed the following objectives for the Frost Street Sites SVI investigation:

- Determine if there are current or potential vapor intrusion impacts in the on-site buildings. The field work proposed included collection of sub-slab vapor, indoor air and outdoor air samples at each building.

- If there are current or potential vapor intrusion impacts in the Century 21 department store or 101 Frost Street building, determine if the existing SVE/AS system will mitigate these impacts.

- Determine if the potential exists for off-site vapor intrusion impacts. The field work proposed included subsurface soil gas pressure measurements at the site borders and analysis of preferential pathways.

The SVI Investigation Work Plan describes the field work required to collect the data needed to achieve these objectives. The field work completed is summarized in Section 2 of this report.

2 SVI INVESTIGATION FIELD WORK

This section describes the field work and sampling conducted at the Frost Street Sites per the SVI Investigation Work Plan. The SVE/AS system operated continuously throughout the SVI investigation in order to evaluate vapor intrusion under actual site conditions. The SVI sampling point installation and sampling field work began on March 6, 2007 at 101 Frost Street, and the field work was completed on March 15, 2007 at the Century 21 department store building at 1085 Old Country Road (bordering Main Street).

The SVI sampling was conducted within the heating season timeframe suggested in the NYSDOH and NYSDEC SVI guidance documents. Sub-slab vapor samples and indoor air samples are typically collected during the heating season because soil vapor intrusion is more likely to occur when a building's heating system is in operation and doors and windows are closed. In New York State, the NYSDOH defines the heating season from November 15th to March 31st. During colder months, heating systems should be operating to maintain normal indoor air temperatures (i.e., 65 – 75 °F) for at least 24 hours prior to and during the scheduled sampling time.

The SVI sampling and data evaluation procedures implemented at the Frost Street Sites are described below.

2.1 Building Evaluations

Pre-sampling building inspections were performed to identify potential vapor intrusion pathways and determine appropriate sub-slab and indoor air sampling locations. The buildings were inspected to evaluate the physical layout and conditions of the buildings and to identify conditions or materials stored and/or used (especially historic or current storage or use of volatile chemicals in commercial or industrial processes and/or during building maintenance) that may affect or interfere with the proposed sampling or interpretation of the sampling results. Consideration was given to factors such as access for installation/sampling purposes, interior uses of the building, foundation/floor slab installation and conditions, heating/ventilation/mechanical system operation, and utility layout/breaches.

The Century 21 department store building has a partial basement foundation (average 12 to 14 feet below ground surface) with a concrete slab floor and poured concrete walls. The building at 101 Frost Street has a slab-on-grade foundation and floor. The NYSDOH and NYSDEC guidance state that sub-slab vapor probes should be installed at locations where the potential for ambient air infiltration from floor penetrations is minimal. Accordingly, the building floor was inspected prior to installation of the sub-slab vapor probe, and any observed penetrations (cracks, floor drains, utility perforations, sumps, etc.) were noted and recorded. The foundations and floors of both buildings were observed to be in good condition.

To reduce the potential for interference and dilution effects of samples, the building tenants were notified in advance of sampling to ensure that the occupants avoided the following activities within 24 hours prior to sampling wherever possible (per the October 2006 NYSDOH guidance):

- Opening any windows, dampers, openings or vents;
- Operating ventilation fans unless special arrangements are made;
- Smoking in the building;
- Painting;
- Using any auxiliary heating equipment (e.g., kerosene heater);
- Operating or storing automobile(s) in an attached garage;
- Allowing containers of gasoline or oil to remain within the building or garage area, except for fuel oil tanks;
- Cleaning, waxing or polishing furniture, floors or other woodwork with petroleum or oil-based products;
- Using air fresheners, scented candles or odor eliminators;
- Engaging in any activities that use materials containing volatile chemicals;
- Using cosmetics including hairspray, nail polish, nail polish removers, perfume/cologne, etc.;
- Lawn mowing, paving with asphalt, or snow blowing;
- Applying pesticides;
- Using building repair or maintenance products, such as caulk or roofing tar; and
- Bringing freshly dry-cleaned clothing or furnishings into the building.

The indoor air quality questionnaire and building inventory sheet provided in Appendix B of the NYSDOH guidance was completed prior to sampling. Copies of the completed questionnaires for the 101 Frost Street building and the Century 21 department store are provided in Appendix A.

2.2 Sampling Locations

The eight on-site indoor air/sub-slab sampling locations (MS-1 through MS-6 at Century 21 and FS-1 and FS-2 at 101 Frost Street) are shown on Figure 4, in accordance with the NYSDEC approved work plan locations. Final locations of sub-slab sampling locations inside the on-site buildings were selected based on physical access to sampling locations and tenant approval. At each sub-slab sampling location, a corresponding indoor air sample was also collected concurrently at approximately the same sampling location, at a height approximately three (3) to five (5) feet above the ground to represent breathing zones.

Two outdoor air samples (OA-1 at Century 21 and OA-2 at 101 Frost Street) were collected concurrently with the sub-slab and indoor air samples to obtain samples representative of ambient (background) conditions at each Site, in accordance with the NYSDEC-approved work plan locations. The final outdoor air sampling locations were selected in the field and sited upwind of the other sampling locations (dependent upon the wind direction observed at the time of sampling), away from wind obstructions (e.g., trees or bushes), and at a height approximately three (3) to five (5) feet above the ground to represent breathing zones. Wherever possible, the outdoor sampling locations were sited away from potential sources of VOCs, such as automobiles, lawn mowers, oil storage tanks, gasoline stations, industrial facilities, and away from structures such as building HVAC outdoor air intakes, etc., in order to obtain representative samples.

2.3 Installation of Sampling Ports

2.3.1 Sub-slab Sampling Port Installation

In accordance with NYSDOH guidance, permanent recessed brass sampling probes were installed at the eight selected sub-slab vapor sampling locations as described in Section 2.2 and shown on Figure 4. A rotary hammer drill was utilized to drill a small diameter hole [approximately one (1) inch] through the concrete floor slab and into sub-slab material approximately two (2) inches below the bottom of the floor

slab to make an open cavity in the sub-slab material to prevent obstruction of probes by small pieces of gravel that may be present.

Concrete and soil cuttings were removed from each of the holes, and a probe constructed from small-diameter threaded brass pipe and connectors/fittings was installed into each hole, no more than two (2) inches into the sub-slab material. The top of each probe was completed flush with the top of the concrete slab with a recessed brass plug. Each implant was sealed to the surface with cement as a permanent installation. For sampling purposes, a threaded fitting connected to inert polyethylene tubing was inserted into the sampling port for connection to a Summa® canister.

2.3.2 Tracer Gas Monitoring

The NYSDOH guidance recommends using a tracer gas as a quality assurance/quality control (QA/QC) measure to verify the integrity of the soil vapor probe seal. This measure is used to determine that the soil vapor sample has not been diluted by ambient air. Walden performed this monitoring in accordance with NYSDOH guidance. Plastic sheeting was placed around the sampling probes and sealed with tape around the edges to create an adequate surface seal to prevent outdoor air infiltration. Helium tracer gas was introduced under the plastic sheeting through a small opening to enrich the atmosphere in the immediate vicinity of the sampling probes with the tracer gas. A portable helium monitoring device was used to analyze a soil vapor sample for the helium tracer gas to confirm the integrity of the probe seals before vapor samples were collected in Summa® canisters. Tracer gas monitoring confirmed that there was no significant infiltration of outdoor and/or indoor air and no associated sample dilution.

2.3.3 Indoor Air Sampling Port Installation

At each sub-slab sampling location, a corresponding indoor air sample was also collected. The indoor air sample was collected at approximately the same sampling location as the sub-slab sampling location and at a height approximately three (3) feet above the floor to represent the height of the breathing zone of a seated occupant as per NYSDOH Guidance.

2.4 Soil Gas Pressure Measurements

2.4.1 Sub-slab Soil Gas Pressure Measurements

Soil gas pressures were measured at each sub-slab sampling location utilizing calibrated vacuum gauges (Dwyer Instruments, Inc., Models 2001 and 2302) prior to sampling. The pressure measurements were compared to atmospheric and known operating pressures to determine if the existing SVE/AS system caused negative pressure at the building sub-slab surfaces. Sub-slab samples and adjacent indoor air samples were subsequently collected at all sample location points.

2.4.2 Perimeter Sub-pavement Soil Gas Pressure Measurements

Soil gas pressures were also measured at the three (3) perimeter pressure point well locations shown on Figure 4. Temporary recessed sampling probes were installed at the three (3) selected sub-pavement locations (FSPP-1A through FSPP-3A) to measure soil gas pressures along the perimeter of the Frost Street Sites with the Toyota Dealership. A rotary hammer drill was utilized to drill a small diameter hole [approximately one (1) inch] through the pavement and into sub-pavement material approximately ten (10) inches below the bottom of the pavement to make an open cavity to prevent obstruction of probes by small pieces of gravel that may be present.

Pavement and soil cuttings were removed from each of the holes, and a probe constructed from small-diameter threaded brass pipe and connectors/fittings was installed into each hole no more than two (2) inches into the sub-pavement material. The top of each probe was completed flush with the top of the pavement with a recessed brass plug. Each implant was sealed to the surface with VOC free putty as a temporary installation. To measure the soil gas pressure, a threaded fitting connected to inert polyethylene tubing was inserted into the plug for connection to a calibrated vacuum gauge (Dwyer Instruments, Inc., Models 2001 and 2302). The pressure measurements were compared to atmospheric and known operating pressures at the SVE/AS system to determine if the existing SVE/AS system caused negative pressure at the perimeter sub-pavement surfaces.

2.5 Air/Vapor Sampling Procedures

The samples were collected at all sampling locations using Summa® canisters over a 24-hour period. The SVI Summa® canister sampling procedures used at the Frost Street Sites are summarized below.

A New York State Department of Health certified laboratory-provided and certified clean six-liter (6L) Summa® canister was placed adjacent to each in-ground sampling port or at each sampling location. Where a sub-slab sample was being collected, a tee fitting was used to connect the Summa® canister tubing to the sampling port tubing, and the third leg of the tee was connected to a purge pump. Additionally, the weather conditions (wind speed and direction, precipitation, outdoor temperature, barometric pressure, etc.) were noted at the time of sampling.

Prior to sampling at each point, a pressure gauge was used to check the Summa® canister for vacuum, and the pressure was recorded. In the case of sub-slab vapor sampling, the ground surface was sealed in advance to prevent ambient air infiltration during purging and collection of sub-slab vapor samples.

A regulator was used to keep flow rates for purging and sample collection less than 0.2 liters (or 200 mls) per minute to minimize ambient air infiltration during sampling. The volume of air in each of the vapor/air sampling points (volume of sampling probe and/or tube depending on sample being secured) was calculated, and a minimum of one (1) to three (3) volumes was purged at a flow rate of less than 0.2 liters per minute immediately prior to sample collection. The soil gas/air samples were then collected by opening the Summa® canister valve to draw air through the regulator to collect the sample at a rate of less than 0.2 liters per minute for a specified time (24 hours). After sampling was completed, the pressure gauge was read again, the vacuum was recorded, and the Summa® canister valve was closed.

The Summa® canisters were labeled with the Site name, the Walden job number, sample location and identification, date, time, sampler's initials, and the parameter(s) for analysis. The samples were transported to the laboratory in such a manner as to avoid container damage during transportation and to minimize the possibility of cross-contamination. The samples were picked up by the analytical laboratory or delivered via an overnight courier under the appropriate Chain-of-Custody protocol.

2.6 Sample Analysis and Reporting

The Summa® canisters were submitted to United Chemists of Farmingdale, New York (formerly of Glen Cove, New York), a NYSDOH ELAP certified laboratory, and analyzed for VOCs using USEPA Method TO-15 with the analytical detection limits set forth in the NYSDOH guidance document. All sample data packages submitted by the analytical laboratory were reported in conformance with the NYSDEC ASP Superfund-CLP, Category B deliverable requirements applicable to the method utilized.

Duplicate samples were collected in accordance with the requirements of the sampling and analytical methods used to evaluate sample QA/QC. At least ten percent duplicate samples were collected to analyze errors. Both of the duplicate samples (one indoor air and one outdoor air duplicate) were collected at the Century 21 department store property. Additional QA/QC analysis was conducted by the laboratory in accordance with the USEPA method requirements. The laboratory provided written and electronic copies of the analytical and QA/QC data for review.

3 SVI INVESTIGATION SAMPLING RESULTS

This section summarizes the results of the SVI investigation completed in March 2007. Copies of the Chain-of-Custody forms and laboratory analytical data are attached as Appendix B. The analytical data are summarized in Tables 1 (101 Frost Street) and 2 (Century 21). A Data Usability Summary Report (DUSR), which was completed in accordance with DER-10, is provided in Appendix C. The DUSR indicates that the field sampling and laboratory analytical activities were performed with built-in QA/QC programs. The laboratory data was generated following standard protocols and the QC data met the required limitations. No true deficiencies or protocol deviations were encountered in reviewing the available information from this investigation.

Walden reviewed the SVI results in accordance with the NYSDOH SVI Guidance (October 2006). In this document, NYSDOH lists air guideline values for methylene chloride, trichloroethene (TCE) and tetrachloroethene (PCE), and provides SVI decision matrices for these compounds as well as considering concentrations of carbon tetrachloride and 1,1,1-trichloroethane (1,1,1-TCA). Table 3 summarizes the SVI data for these compounds and the actions required based on the decision matrices contained in the NYSDOH SVI guidance document.

Where analytes were detected that were not considered in the NYSDOH SVI decision matrices, Appendix C of the NYSDOH SVI guidance (Volatile Organic Chemicals in Air – Summary of Background Databases) was referenced for typical background concentrations of these compounds. Appendix C of the NYSDOH guidance lists ranges of background concentrations published in USEPA's 2001 Building Assessment and Survey Evaluation (BASE) database (NYSDOH Table C2). When developing BASE, USEPA collected indoor and outdoor air samples at randomly selected public and commercial buildings using Summa® canisters.

3.1 Subsurface Soil Gas Pressure Measurement Results

Sub-slab soil gas pressure measurements are summarized in Table 4. Negative pressure was encountered at sub-slab locations FS-1, MS-1, MS-3, and MS-4. No pressure differential was encountered at sub-slab locations FS-2, MS-2, MS-5, and MS-6.

The sub-pavement soil gas pressure measurements taken at locations along the perimeter of the Frost Street Sites with the Toyota Dealership are also summarized in Table 4. Negative pressures were detected at all three sampling locations with the existing on Site SVE/AS remedial system running.

3.2 Sub-Slab Sampling Results

The sub-slab sampling results were evaluated based on the NYSDOH SVI guidance and decision matrices as summarized in Table 3. The sampling locations are shown on Figure 4. The sub-slab results are discussed below.

- Sub-slab sampling results from the building located at 101 Frost Street are as follows:
  - PCE was detected in the FS-1 sub-slab sample; however, the concentration of PCE detected did not exceed the NYSDOH Air Guideline value and warranted no further action based on the NYSDOH decision matrices in comparison to related indoor air samples. Additionally, negative pressure was detected at this sampling location (refer to Table 4), and the existing Frost Street Sites SVE/AS remedial system is expected to mitigate contaminants beneath the building in this area.
  - No target analytes were detected in the FS-2 sub-slab sample at concentrations above method detection limits.

- Sub-slab sampling results from the Century 21 building located at 1085 Old Country Road are as follows:
  - PCE and TCE were not detected in the MS-1 and MS-3 sub-slab samples; however, five analytes (o-Xylene, 1,2,4-Trimethylbenzene, 4-Methyltoluene, m+p-Xylene, and 1,3,5-Trimethylbenzene) were found at varying concentrations in both. These compounds are not included in the NYSDOH decision matrices, and the laboratory-reported concentrations of the detected compounds fall within the range of background concentrations listed in the USEPA BASE database (see Table 2).
  - Likewise, PCE and TCE were not detected in the MS-2 sub-slab sample; however, two analytes (1,2,4-Trimethylbenzene and 4-Methyltoluene) were detected in this sample. These compounds are not included in the NYSDOH decision matrices, and the laboratory-

reported concentrations of the detected compounds fall within the range of background concentrations listed in the USEPA BASE database (see Table 2).

- No target analytes were detected in the MS-4 sub-slab sample above method detection limits.
- PCE was detected in the MS-5 sub-slab sample. Both PCE and TCE were detected in the MS-6 sub-slab sample. Based on the NYSDOH decision matrices presented in Table 3, MS-5 and MS-6 are the only sub-slab locations recommended to be monitored due to the PCE and TCE concentrations detected in the sub-slab samples. Note that the MS-5 and MS-6 samples were located at the far western end of the Century 21 building, nearest to an adjacent listed NYSDEC inactive hazardous waste site (the Utility Manufacturing/Wonder King site) rather than the known source areas targeted for the Frost Street Sites SVE/AS remedial equipment, located below the 89 and 101 Frost Street parking lots. It should also be noted that the MS-5 and MS-6 sampling locations are more than 500 feet west of the source areas on the east side of the Century 21 building and 550 feet west of the western border of the 89 Frost Street parking lot. Therefore, the SVI concentrations detected in the Century 21 building are likely due to an off-site source.

3.3 Indoor Air Sampling Results

The indoor air sampling results were evaluated based on the NYSDOH SVI guidance and decision matrices as summarized in Table 3. The sampling locations are shown on Figure 4. The indoor air sampling results are discussed below.

- Indoor air sampling results from the building located at 101 Frost Street are as follows:
  - No target analytes were detected in the FS-1 indoor air sample above method detection limits.
  - Hexane, a gasoline related compound, was detected in the FS-2 indoor air sample. The indoor building inventory did not yield compounds containing hexane. It should be noted that a parking area is located outside the building adjacent to this air sampling location and that Walden noted cracks in the exterior wall of the building in the vicinity of this sampling location, providing a potential pathway for automotive exhaust vapors to infiltrate the

building. Additionally, since the business was open at the time of sampling, it is possible that exterior motor vehicle vapors may have entered the building periodically as the nearby front door was opened. This may account for the presence of hexane in the FS-2 indoor air sample. This compound is not included in the NYSDOH decision matrices, and the laboratory-reported concentration of hexane falls within the range of background concentrations listed in the USEPA BASE database (see Table 2). Additionally, it should be noted that hexane was detected in the adjacent the outdoor air sample OA-2 at the same concentration as the FS-2 indoor air sample (see Table 1).

- Indoor air sampling results from the Century 21 building located at 1085 Old Country Road are as follows:
    - PCE and TCE were not detected in the MS-1 indoor air sample; however, five analytes (o-Xylene, 1,2,4-Trimethylbenzene, 4-Methyltoluene, m+p-Xylene, and 1,3,5-Trimethylbenzene) were detected at varying concentrations. These contaminants are not included in the NYSDOH decision matrices, and the laboratory-reported concentrations of the detected compounds fall within or near the range of background concentrations listed in the USEPA BASE database.
    - No target analytes were detected in the MS-2 and MS-3 indoor air samples at concentrations above method detection limits.
    - PCE and TCE were not detected in the MS-4 indoor air sample; however, two analytes (4-Methyltoluene and Toluene) were detected in this sample. These compounds are not included in the NYSDOH decision matrices, and the laboratory-reported concentrations of the detected compounds fall within the range of background concentrations listed in the USEPA BASE database.
    - Six analytes (o-Xylene, 1,2,4-Trimethylbenzene, Ethylbenzene, 4-Methyltoluene, m+p-Xylene, and 1,3,5-Trimethylbenzene) were detected in the MS-5 indoor air sample. These compounds are not included in the NYSDOH decision matrices, and the laboratory-reported concentrations of the detected compounds fall within or near the range of background concentrations listed in the USEPA BASE database. Neither PCE nor TCE were detected in the MS-5 indoor air sample; however, the NYSDOH decision matrices

recommend monitoring in this location based on the PCE concentration detected in the sub-slab sample as noted in Section 3.2 of this report.

- No target analytes were detected in the MS-6 indoor air sample at concentrations above method detection limits. However, based on the NYSDOH decision matrices, monitoring at MS-6 is recommended due to the PCE and TCE concentrations measured in the sub-slab sample as noted in Section 3.2 of this report.

3.4 Outdoor Air Sampling Results

The NYSDOH guidance does not consider outdoor air results in the decision matrices. The outdoor air results are used as background samples to evaluate the extent to which outdoor air may contribute to the levels of volatiles detected in indoor air samples. The outdoor air sampling results are as follows:

- No target analytes were detected in the Century 21 OA-1 outdoor air sample above method detection limits.
- One gasoline related analyte, Hexane, was detected in the 101 Frost Street OA-2 outdoor air sample. It should be noted that a parking area with vehicular traffic is located adjacent to this outdoor air sampling location. Additionally, it should be noted that hexane was detected in the nearby indoor air sample FS-2 (located approximately 90 feet east of the sample along the same exterior building wall) at the same concentration as detected in the OA-2 outdoor air sample, as discussed previously in Section 3.3 of this report.

4 EVALUATION OF SVI INVESTIGATION RESULTS

4.1 Conclusions

Conclusions based on the SVI investigation are as follows:

- No site-specific contaminants of concern (PCE, TCE, and their breakdown daughter products) were detected in the indoor air samples collected at either the 101 Frost Street building or the Century 21 building located at 1085 Old Country Road. However, the detection limits for the indoor air samples exceeded the detection limits required in the NYSDOH guidance.

- Sub-slab vapor samples at three sampling locations contained concentrations of two site-specific contaminants of concern (PCE and TCE).
    - The sub-slab concentration of PCE detected in the sample secured from FS-1 in the 101 Frost Street building is less than the NYSDOH Air Guideline Value, and this location does not need to be monitored for soil vapor intrusion based on the SVI data and comparison with the NYSDOH decision matrices. Additionally, it should be noted that the building foundation and floor where this sub-slab concentration was detected were in good condition with no evidence of preferential pathways.
    - The data evaluation and NYSDOH decision matrices indicate that the far western end of the Century 21 building located at 1085 Old Country Road should be monitored for soil vapor intrusion based on the concentrations of PCE and TCE detected in the sub-slab samples from MS-5 and MS-6. These sampling points were located nearest to an adjacent NYSDEC-listed inactive hazardous waste site (the Utility Manufacturing/Wonder King site), rather than an on-site source. Therefore, the sub-slab concentrations of PCE and TCE detected in the Century 21 building are likely attributable to an off-site source. It should be noted that the existing Frost Street Sites SVE/AS remedial system was not designed to cover the area (far western portion of the building) where these PCE and TCE sub-slab concentrations were detected.

- No evidence of sub-slab intrusive pathways were observed in the building located at 101 Frost Street; however, one analyte, Hexane, was detected at the same concentration in both the indoor FS-2 and outdoor OA-2 samples at 101 Frost Street, indicating that a preferential pathway may exist between these two locations. The source of the hexane was likely automotive exhaust from outside the building in the active parking area. Walden noted cracks in the exterior wall of the building, which may have provided a potential pathway for automotive exhaust vapors to infiltrate the building. Additionally, the automotive exhaust vapors may have entered the building as the nearby front door was opened.

- A number of compounds (o-Xylene, 1,2,4-Trimethylbenzene, 4-Methyltoluene, Toluene, m+p-Xylene, 1,3,5-Trimethylbenzene, and Ethylbenzene) were detected in samples collected at several sub-slab and indoor air sampling locations at the Century 21 building at 1085 Old Country Road.
    - The NYSDOH guidance does not consider these compounds in the NYSDOH SVI decision matrices, and the laboratory-reported concentrations of the o-Xylene, 1,2,4-Trimethylbenzene, 4-Methyltoluene, Toluene, m+p-Xylene, 1,3,5-Trimethylbenzene, and Ethylbenzene in the Century 21 samples fall within or near the range of background concentrations listed in the USEPA BASE database. Therefore, the presence of these compounds is not expected to be a concern.
    - These compounds have a number of listed commercial uses in consumer products, building materials, or furnishings that contribute to indoor air pollution which could apply to materials used in the construction of the building itself and materials/items stored (and for sale) and handled in the Century 21 building (Refer to Appendix D).
    - It should be noted that the cement floor in the vicinity of these sampling locations and the building foundation and walls were observed to be in good condition, so there is no apparent pathway for contaminant infiltration into the building.

- Since negative pressure was detected at the sub-pavement sampling locations along the perimeter of the Frost Street Sites with the Toyota Dealership, the SVI sample data and pressure measurements do not indicate a potential for off-site vapor migration. Additionally, although there are various subsurface utility and drainage lines identified on both properties, each had their own

individual services, and none were observed to cross from one property to the next, and therefore, no preferential pathways between the adjacent properties were identified.

4.2 Recommendations

As requested by the NYSDEC, each of the sub-slab sampling locations on the 101 Frost Street and Century 21 properties will be resampled after the SVE/AS system has been shutdown. This resampling will occur once the subsurface has returned to steady state conditions following shutdown of the SVE/AS system.

Based on the NYSDOH decision matrices, continued monitoring for soil vapor intrusion at the MS-5 and MS-6 sampling points is recommended. The NYSDOH guidance states that the type and frequency of monitoring is determined on a site-specific and building-specific basis. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated media are remediated. Walden will work with NYSDEC and NYSDOH to develop an appropriate vapor intrusion monitoring plan for the western portion of the Century 21 building located at 1085 Old Country Road.

Continued evaluation of data collected by NYSDEC, NYSDOH and private parties at neighboring properties, specifically related to the immediately adjacent Utility Manufacturing/Wonder King NYSDEC-listed inactive hazardous waste site (Site No. 1-30-043H), is recommended in order to identify the off-site source(s) of vapors in this area. Walden requests that the NYSDEC and NYSDOH provide information related to the Utility Manufacturing/Wonder King site remedial investigation (including sub-slab, indoor air and outdoor air sampling) and vapor control system(s), since it is known that vapors from Utility Manufacturing have impacted properties surrounding the Utility Manufacturing site. In a June 26, 2007 telephone conversation between Walden and Ms. Jacqueline Nealon of NYSDOH regarding the Utility off-site SVI investigation work, Ms. Nealon stated that the SVI investigation identified a source at the Utility Manufacturing building itself and that the vapor concentrations detected in the nearby off-site buildings are likely due to a source not associated with these buildings/properties themselves. Additionally, according to a public meeting held by the NYSDEC and NYSDOH on March 4, 2008 with regards to the remedy proposed for the Utility Manufacturing/Wonder King Site off-site contamination, three buildings in the area require mitigation via sub-slab depressurization systems, and three other

properties will require continued monitoring with regards to vapor intrusion from the Utility groundwater plume.

Walden recommends continuous operation of the Frost Street Sites SVE/AS system; however, it should be noted that the existing Frost Street Sites SVE/AS remedial system was not designed to cover the far western end of the Century 21 building, where the elevated PCE and TCE sub-slab concentrations were detected. Therefore, Walden requests that the NYSDEC and NYSDOH require Utility Manufacturing/Wonder King to install a vapor control system between the Utility Manufacturing Site and the western border of the Century 21 property to stop the migration of Utility Manufacturing PCE and TCE vapors beneath the Century 21 building and to remove those already detected.

Z:\Spgl100 - Frost St\Soil Vapor Intrusion\March 2007 SVI Investigation\SVI Investigation Report Nov 2007\March 08 Revised Report\SVI_Investigation_Report_March_2008.doc

TABLES

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 1

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15
101 FROST STREET

Cas No	Analyte	NYSDOH Air Guideline Value (µg/m³)	USEPA BASE Indoor Air Summa® Canister Method Concentration Range (µg/m³)	OSHA PEL (µg/m³)	FS-1 Subslab (Western Slab)			FS-1 Indoor (Western Slab)			FS-2 Subslab (Eastern Slab)			FS-2 Indoor (Eastern Slab)			OA-2 (South of Building)		
					MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q
56-23-5	Carbon tetrachloride			62,920	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U
64-17-5	Ethanol				1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U
67-63-0	Isopropylalcohol			980,000	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U
67-64-1	Acetone			2,400,000	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U
67-66-3	Chloroform			240,000	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U
71-43-2	Benzene			31,947	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U
71-55-6	1,1,1-Trichloroethane			1,900,000	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U
74-83-9	Bromomethane				2.28	2.28	U	2.28	2.28	U	2.28	2.28	U	2.28	2.28	U	2.28	2.28	U
75-00-3	Chloroethane				0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U
75-01-4	Vinylchloride			1,278	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U
75-09-2	Methylene chloride	60		43,425	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U
75-15-0	Carbon disulfide			62,282	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U
75-27-4	Bromodichloromethane				1.99	1.99	U	1.99	1.99	U	1.99	1.99	U	1.99	1.99	U	1.99	1.99	U
75-34-3	1,1-Dichloroethane			400,000	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U
75-35-4	1,1-Dichloroethene				0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U
75-69-4	Trichlorofluoromethane[Freon 11]				1.62	1.62	U	1.62	1.62	U	1.62	1.62	U	1.62	1.62	U	1.62	1.62	U
75-71-8	Dichlorodifluoromethane[Freon 12]			4,950,000	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
76-13-1	1,1,2-Trichlorotrifluoroethane[Freon 113]			7,600,000	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U
78-87-5	1,2-Dichloropropane			350,000	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U
78-93-3	2-Butanone(MEK)			590,000	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U
79-00-5	1,1,2-Trichloroethane			45,000	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U
91-20-3	Naphthalene				2.78	2.78	U	2.78	2.78	U	2.78	2.78	U	2.78	2.78	U	2.78	2.78	U
79-01-6	Trichloroethene	5	<0.6 - 88.5		1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U
79-34-5	1,1,2,2-Tetrachloroethane			35,000	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U
87-68-3	Hexachlorobutadiene				4.39	4.39	U	4.39	4.39	U	4.39	4.39	U	4.39	4.39	U	4.39	4.39	U
95-47-6	o-Xylene		<0.7 - 90.5	435,000	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
95-50-1	1,2-Dichlorobenzene			300,000	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U
95-63-6	1,2,4-Trimethylbenzene		<0.4 - 91.0		3.10	3.10	U	3.10	3.10	U	3.10	3.10	U	3.10	3.10	U	3.10	3.10	U
100-41-4	Ethylbenzene		<0.9 - 73.6	435,000	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U
100-42-5	Styrene			425,930	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
100-44-7	Benzyl chloride			5,000	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U
106-42-3	4-Methyltoluene		<1.5 - 260.8		1.32	1.32	U	1.32	1.32	U	1.32	1.32	U	1.32	1.32	U	1.65	1.32	U
106-46-7	1,4-Dichlorobenzene			450,000	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U
106-93-4	1,2-Dibromoethane			153,685	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U
106-99-0	1,3-Butadiene			2,212	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U
107-06-2	1,2-Dichloroethane			202,372	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U
108-10-1	4-Methyl-2-pentanone (MIBK)			410,000	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U
108-38-3	m+p-Xylene		<1.5 - 260.8	435,000	3.59	3.59	U	3.59	3.59	U	3.59	3.59	U	3.59	3.59	U	3.59	3.59	U
108-67-8	1,3,5-Trimethylbenzene		<0.8 - 16.6		2.24	2.24	U	2.24	2.24	U	2.24	2.24	U	2.24	2.24	U	2.24	2.24	U
108-88-3	Toluene		3.5 - 390.3	753,620	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U
108-90-7	Chlorobenzene			350,000	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U
110-54-3	Hexane		<0.9 - 130.0	1,800,000	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U	5.86	25.5		5.86	25.5	
123-91-1	1,4-Dioxine				2.06	2.06	U	2.06	2.06	U	2.06	2.06	U	2.06	2.06	U	2.06	2.06	U
124-48-1	Dibromochloromethane				2.71	2.71	U	2.71	2.71	U	2.71	2.71	U	2.71	2.71	U	2.71	2.71	U
127-18-4	Tetrachloroethene	100	<0.9 - 65.7		1.74	14.30		1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U
141-78-6	Ethylacetate			1,400,000	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U
142-82-5	Heptane			2,000,000	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U
156-59-2	cis-1,2-Dichloroethene				1.25	1.25	U	1.25	1.25	U	1.25	1.25	U	1.25	1.25	U	1.25	1.25	U
541-73-1	1,3-Dichlorobenzene				1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U
591-78-6	2-Hexanone (MBK)			410,000	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U
1634-04-4	Methyl t-butyl ether				2.12	2.12	U	2.12	2.12	U	2.12	2.12	U	2.12	2.12	U	2.12	2.12	U
10061-01-5	cis-1,3-Dichloro-1-propene				1.14	1.14	U	1.14	1.14	U	1.14	1.14	U	1.14	1.14	U	1.14	1.14	U
10061-02-6	trans-1,3-Dichloropropene				1.27	1.27	U	1.27	1.27	U	1.27	1.27	U	1.27	1.27	U	1.27	1.27	U
74-87-3	Chloromethane				1.01	1.01	U	1.01	1.01	U	1.01	1.01	U	1.01	1.01	U	1.01	1.01	U
142-28-9	1,3-Dichloropropane				1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.75	1.73	U	1.73	1.75	U
630-20-6	1,1,1,2-Tetrachloroethane				1.75	1.75	U	1.75	1.75	U	1.75	1.75	U	1.73	1.75	U	1.75	1.73	U
120-82-1	1,2,4-Trichlorobenzene				6.21	6.21	U	6.21	6.21	U	6.21	6.21	U	6.21	6.21	U	6.21	6.21	U

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 2

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15
CENTURY 21

Cas No	Analyte	NYSDOH Air Guideline Value ($\mu g/m^3$)	USEPA BASE Indoor Air Summa® Canister Method Concentration Range ($\mu g/m^3$)	OSHA PEL ($\mu g/m^3$)	MS-5 Indoor Northwestern Corner Slab			MS-5 Subslab Northwestern Corner Slab			MS-6 Indoor Southwestern Corner Slab			MS-6 Subslab Southwestern Corner Slab			OA-1 Outdoor (North of Building)		
					MDL ($\mu g/m^3$)	$\mu g/m^3$	Q	MDL ($\mu g/m^3$)	$\mu g/m^3$	Q	MDL ($\mu g/m^3$)	$\mu g/m^3$	Q	MDL ($\mu g/m^3$)	$\mu g/m^3$	Q	MDL ($\mu g/m^3$)	$\mu g/m^3$	Q
56-23-5	Carbon tetrachloride			62,920	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U
64-17-5	Ethanol				1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U
64-63-0	Isopropylalcohol			980,000	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U
67-64-1	Acetone			2,400,000	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U
67-66-3	Chloroform			240,000	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U
71-43-2	Benzene			31,947	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U
71-55-6	1,1,1-Trichloroethane			1,900,000	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U
74-83-9	Bromomethane				2.28	2.28	U	2.28	2.28	U	2.28	2.28	U	2.28	2.28	U	2.28	2.28	U
75-00-3	Chloroethane				0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U
75-01-4	Vinylchloride			1,278	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U
75-09-2	Methylene chloride	60		43,425	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U
75-15-0	Carbon disulfide			62,282	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U
75-27-4	Bromodichloromethane				1.99	1.99	U	1.99	1.99	U	1.99	1.99	U	1.99	1.99	U	1.99	1.99	U
75-34-3	1,1-Dichloroethane			400,000	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U
75-35-4	1,1-Dichloroethene				0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U
75-69-4	Trichlorofluoromethane[Freon 11]				1.62	1.62	U	1.62	1.62	U	1.62	1.62	U	1.62	1.62	U	1.62	1.62	U
75-71-8	Dichlorodifluoromethane[Freon 12]			4,950,000	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
76-13-1	1,1,2-Trichlorotrifluoroethane[Freon 113]			7,600,000	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U
78-87-5	1,2-Dichloropropane			350,000	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U
78-93-3	2-Butanone(MEK)			590,000	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U
91-20-3	Naphthalene				2.78	2.78	U	2.78	2.78	U	2.78	2.78	U	2.78	2.78	U	2.78	2.78	U
79-00-5	1,1,2-Trichloroethane			45,000	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U
79-01-6	Trichloroethene	5	<0.6 - 88.5		1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	**11.40**		1.36	1.36	U
79-34-5	1,1,2,2-Tetrachloroethane			35,000	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U
87-68-3	Hexachlorobutadiene				4.39	4.39	U	4.39	4.39	U	4.39	4.39	U	4.39	4.39	U	4.39	4.39	U
95-47-6	o-Xylene		<0.7 - 90.5	435,000	1.67	17.7		1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
95-50-1	1,2-Dichlorobenzene			300,000	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U
95-63-6	1,2,4-Trimethylbenzene		<0.4 - 91.0		3.10	52.2		3.10	3.10	U	3.10	3.10	U	3.10	3.10	U	3.10	3.10	U
100-41-4	Ethylbenzene		<0.9 - 73.6	435,000	1.74	11.2		1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U
100-42-5	Styrene			425,930	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
100-44-7	Benzyl chloride			5,000	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U
106-42-3	4-Methyltoluene		<1.5 - 260.8		1.32	39.9		1.32	1.32	U	1.32	1.32	U	1.32	1.32	U	1.32	1.32	U
106-46-7	1,4-Dichlorobenzene			450,000	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U
106-93-4	1,2-Dibromoethane			153,685	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U
106-99-0	1,3-Butadiene			2,212	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U
107-06-2	1,2-Dichloroethane			202,372	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U
108-10-1	4-Methyl-2-pentanone (MIBK)			410,000	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U
108-38-3	m+p-Xylene		<1.5 - 260.8	435,000	3.59	51.4		3.59	3.59	U	3.59	3.59	U	3.59	3.59	U	3.59	3.59	U
108-67-8	1,3,5-Trimethylbenzene		<0.8 - 16.6		2.24	16.7		2.24	2.24	U	2.24	2.24	U	2.24	2.24	U	2.24	2.24	U
108-88-3	Toluene		3.5 - 390.3	753,620	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U
108-90-7	Chlorobenzene			350,000	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U
110-54-3	Hexane		<0.9 - 130.0	1,800,000	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U
123-91-1	1,4-Dioxine				2.06	2.06	U	2.06	2.06	U	2.06	2.06	U	2.06	2.06	U	2.06	2.06	U
124-48-1	Dibromochloromethane				2.71	2.71	U	2.71	2.71	U	2.71	2.71	U	2.71	2.71	U	2.71	2.71	U
127-18-4	Tetrachloroethene	100	<0.9 - 65.7		1.74	1.74	U	1.74	**410.00**		1.74	1.74	U	1.74	**151.00**		1.74	1.74	U
141-78-6	Ethylacetate			1,400,000	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U
142-82-5	Heptane			2,000,000	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U
156-59-2	cis-1,2-Dichloroethene				1.25	1.25	U	1.25	1.25	U	1.25	1.25	U	1.25	1.25	U	1.25	1.25	U
541-73-1	1,3-Dichlorobenzene				1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U
591-78-6	2-Hexanone (MBK)			410,000	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U
1634-04-4	Methyl t-butyl ether				2.12	2.12	U	2.12	2.12	U	2.12	2.12	U	2.12	2.12	U	2.12	2.12	U
10061-01-5	cis-1,3-Dichloro-1-propene				1.14	1.14	U	1.14	1.14	U	1.14	1.14	U	1.14	1.14	U	1.14	1.14	U
10061-02-6	trans-1,3-Dichloropropene				1.27	1.27	U	1.27	1.27	U	1.27	1.27	U	1.27	1.27	U	1.27	1.27	U
142-28-9	1,3-Dichloropropane				1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U
630-20-6	1,1,1,2-Tetrachloromethane				1.75	1.75	U	1.75	1.75	U	1.75	1.75	U	1.75	1.75	U	1.75	1.75	U
74-87-3	Chloromethane				1.01	1.01	U	1.01	1.01	U	1.01	1.01	U	1.01	1.01	U	1.01	1.01	U
120-82-1	1,2,4-Trichlorobenzene				6.21	6.21	U	6.21	6.21	U	6.21	6.21	U	6.21	6.21	U	6.21	6.21	U

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 2 (continued)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15
CENTURY 21

Cas No	Analyte	NYSDOH Air Guideline Value (µg/m³)	USEPA BASE Indoor Air Summa® Canister Method Concentration Range (µg/m³)	OSHA PEL (µg/m³)	Duplicate 2 (Outdoor)			MS-1 Indoor (NW Basement)			MS-1 Subslab (NW Basement)			MS-2 Indoor (SW Basement)			MS-2 Subslab (SW Basement)		
					MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q
56-23-5	Carbon tetrachloride			62,920	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U
64-17-5	Ethanol				1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U
64-63-0	Isopropylalcohol			980,000	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U
67-64-1	Acetone			2,400,000	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U
67-66-3	Chloroform			240,000	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U
71-43-2	Benzene			31,947	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U
71-55-6	1,1,1-Trichloroethane			1,900,000	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U
74-83-9	Bromomethane				2.28	2.28	U	2.28	2.28	U	2.28	0.28	U	2.28	2.28	U	2.28	2.28	U
75-00-3	Chloroethane				0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U
75-01-4	Vinylchloride			1,278	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U
75-09-2	Methylene chloride	60		43,425	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U
75-15-0	Carbon disulfide			62,282	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U
75-27-4	Bromodichloromethane				1.99	1.99	U	1.99	1.99	U	1.99	1.99	U	1.99	1.99	U	1.99	1.99	U
75-34-3	1,1-Dichloroethane			400,000	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U
75-35-4	1,1-Dichloroethene				0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U
75-69-4	Trichlorofluoromethane[Freon 11]				1.62	1.62	U	1.62	1.62	U	1.62	1.62	U	1.62	1.62	U	1.62	1.62	U
75-71-8	Dichlorodifluoromethane[Freon 12]			4,950,000	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
76-13-1	1,1,2-Trichlorotrifluoroethane[Freon 113]			7,600,000	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U
78-87-5	1,2-Dichloropropane			350,000	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U
78-93-3	2-Butanone(MEK)			590,000	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U
91-20-3	Naphthalene				2.78	2.78	U	2.78	2.78	U	2.78	2.78	U	2.78	2.78	U	2.78	2.78	U
79-00-5	1,1,2-Trichloroethane			45,000	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U
79-01-6	Trichloroethene	5	<0.6 - 88.5		1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U
79-34-5	1,1,2,2-Tetrachloroethane			35,000	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U
87-68-3	Hexachlorobutadiene				4.39	4.39	U	4.39	4.39	U	4.39	4.39	U	4.39	4.39	U	4.39	4.39	U
95-47-6	o-Xylene		<0.7 - 90.5	435,000	1.67	1.67	U	1.67	14.0		1.67	14.0		1.67	1.67	U	1.67	1.67	U
95-50-1	1,2-Dichlorobenzene			300,000	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U
95-63-6	1,2,4-Trimethylbenzene		<0.4 - 91.0		3.10	3.10	U	3.10	48.9		3.10	39.2		3.10	3.10	U	3.10	15.3	
100-41-4	Ethylbenzene		<0.9 - 73.6	435,000	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U
100-42-5	Styrene			425,930	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
100-44-7	Benzyl chloride			5,000	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U
106-42-3	4-Methyltoluene		<1.5 - 260.8		1.32	1.32	U	1.32	36.8		1.32	29.9		1.32	1.32	U	1.32	11.5	
106-46-7	1,4-Dichlorobenzene			450,000	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U
106-93-4	1,2-Dibromoethane			153,685	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U
106-99-0	1,3-Butadiene			2,212	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U
107-06-2	1,2-Dichloroethane			202,372	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U
108-10-1	4-Methyl-2-pentanone (MIBK)			410,000	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U
108-38-3	m+p-Xylene		<1.5 - 260.8	435,000	3.59	3.59	U	3.59	38.3		3.59	39.1		3.59	3.59	U	3.59	3.59	U
108-67-8	1,3,5-Trimethylbenzene		<0.8 - 16.6		2.24	2.24	U	2.24	18.1		2.24	13.0		2.24	2.24	U	2.24	2.24	U
108-88-3	Toluene		3.5 - 390.3	753,620	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U	3.28	3.28	U
108-90-7	Chlorobenzene			350,000	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U
110-54-3	Hexane		<0.9 - 130.0	1,800,000	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U
123-91-1	1,4-Dioxine				2.06	2.06	U	2.06	2.06	U	2.06	2.06	U	2.06	2.06	U	2.06	2.06	U
124-48-1	Dibromochloromethane				2.71	2.71	U	2.71	2.71	U	2.71	2.71	U	2.71	2.71	U	2.71	2.71	U
127-18-4	Tetrachloroethene	100	<0.9 - 65.7		1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U
141-78-6	Ethylacetate			1,400,000	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U
142-82-5	Heptane			2,000,000	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U
156-59-2	cis-1,2-Dichloroethene				1.25	1.25	U	1.25	1.25	U	1.25	1.25	U	1.25	1.25	U	1.25	1.25	U
541-73-1	1,3-Dichlorobenzene				1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U
591-78-6	2-Hexanone (MBK)			410,000	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U
1634-04-4	Methyl t-butyl ether				2.12	2.12	U	2.12	2.12	U	2.12	2.12	U	2.12	2.12	U	2.12	2.12	U
10061-01-5	cis-1,3-Dichloro-1-propene				1.14	1.14	U	1.14	1.14	U	1.14	1.14	U	1.14	1.14	U	1.14	1.14	U
10061-02-6	trans-1,3-Dichloropropene				1.27	1.27	U	1.27	1.27	U	1.27	1.27	U	1.27	1.27	U	1.27	1.27	U
142-28-9	1,3-Dichloropropane				1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U
630-20-6	1,1,1,2-Tetrachloromethane				1.75	1.75	U	1.75	1.75	U	1.75	1.75	U	1.75	1.75	U	1.75	1.75	U
74-87-3	Chloromethane				1.01	1.01	U	1.01	1.01	U	1.01	1.01	U	1.01	1.01	U	1.01	1.01	U
120-82-1	1,2,4-Trichlorobenzene				6.21	6.21	U	6.21	6.21	U	6.21	6.21	U	6.21	6.21	U	6.21	6.21	U

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 2 (continued)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15
CENTURY 21

Cas No	Analyte	NYSDOH Air Guideline Value (µg/m³)	USEPA BASE Indoor Air Summa® Canister Method Concentration Range (µg/m³)	OSHA PEL (µg/m³)	Duplicate 1 (Indoor)			MS-4 Indoor (SE Basement)			MS-4 Subslab (SE Basement)			MS-3 Indoor (NE Basement)			MS-3 Subslab (NE Basement)		
					MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q	MDL (µg/m³)	µg/m³	Q
56-23-5	Carbon tetrachloride			62,920	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U
64-17-5	Ethanol				1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U
64-63-0	Isopropylalcohol			980,000	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U	1.61	1.61	U
67-64-1	Acetone			2,400,000	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U	1.49	1.49	U
67-66-3	Chloroform			240,000	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U	1.17	1.17	U
71-43-2	Benzene			31,947	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U	0.96	0.96	U
71-55-6	1,1,1-Trichloroethane			1,900,000	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U	1.63	1.63	U
74-83-9	Bromomethane				2.28	2.28	U	2.28	2.28	U	2.28	2.28	U	2.28	2.28	U	2.28	2.28	U
75-00-3	Chloroethane				0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U	0.61	0.61	U
75-01-4	Vinylchloride			1,278	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U	1.22	1.22	U
75-09-2	Methylene chloride	60		43,425	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U	1.40	1.40	U
75-15-0	Carbon disulfide			62,282	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U
75-27-4	Bromodichloromethane				1.99	1.99	U	1.99	1.99	U	1.99	1.99	U	1.99	1.99	U	1.99	1.99	U
75-34-3	1,1-Dichloroethane			400,000	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U	0.84	0.84	U
75-35-4	1,1-Dichloroethene				0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U
75-69-4	Trichlorofluoromethane[Freon 11]				1.62	1.62	U	1.62	1.62	U	1.62	1.62	U	1.62	1.62	U	1.62	1.62	U
75-71-8	Dichlorodifluoromethane[Freon 12]			4,950,000	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
76-13-1	1,1,2-Trichlorotrifluoroethane[Freon 113]			7,600,000	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U	1.98	1.98	U
78-87-5	1,2-Dichloropropane			350,000	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U	2.02	2.02	U
78-93-3	2-Butanone(MEK)			590,000	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U
91-20-3	Naphthalene				2.78	2.78	U	2.78	2.78	U	2.78	2.78	U	2.78	2.78	U	2.78	1.36	U
79-00-5	1,1,2-Trichloroethane			45,000	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	2.78	U
79-01-6	Trichloroethene	5	<0.6 - 88.5		1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U	1.36	1.36	U
79-34-5	1,1,2,2-Tetrachloroethane			35,000	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U	1.06	1.06	U
87-68-3	Hexachlorobutadiene				4.39	4.39	U	4.39	4.39	U	4.39	4.39	U	4.39	4.39	U	4.39	4.39	U
95-47-6	o-Xylene		<0.7 - 90.5	435,000	1.67	19.3		1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	10.8	
95-50-1	1,2-Dichlorobenzene			300,000	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U	4.57	4.57	U
95-63-6	1,2,4-Trimethylbenzene		<0.4 - 91.0		3.10	57.1		3.10	3.10	U	3.10	3.10	U	3.10	3.10	U	3.10	27.5	
100-41-4	Ethylbenzene		<0.9 - 73.6	435,000	1.74	11.4		1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U
100-42-5	Styrene			425,930	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U	1.67	1.67	U
100-44-7	Benzyl chloride			5,000	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U	1.73	1.73	U
106-42-3	4-Methyltoluene		<1.5 - 260.8		1.32	43.3		1.32	37.6		1.32	1.32	U	1.32	1.32	U	1.32	21.3	
106-46-7	1,4-Dichlorobenzene			450,000	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U	4.45	4.45	U
106-93-4	1,2-Dibromoethane			153,685	1.84	1.84	U	1.84	1.86	U	1.84	1.84	U	1.84	1.84	U	1.84	1.84	U
106-99-0	1,3-Butadiene			2,212	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U	1.08	1.08	U
107-06-2	1,2-Dichloroethane			202,372	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U	6.97	6.97	U
108-10-1	4-Methyl-2-pentanone (MIBK)			410,000	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U	4.05	4.05	U
108-38-3	m+p-Xylene		<1.5 - 260.8	435,000	3.59	54.7		3.59	3.59	U	3.59	3.59	U	3.59	3.59	U	3.59	29.8	
108-67-8	1,3,5-Trimethylbenzene		<0.8 - 16.6		2.24	18.8		2.24	2.24	U	2.24	2.24	U	2.24	2.24	U	2.24	10.0	
108-88-3	Toluene		3.5 - 390.3	753,620	3.28	3.28	U	3.28	91.4		3.28	3.28	U	3.28	3.28	U	3.28	3.28	U
108-90-7	Chlorobenzene			350,000	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U	1.66	1.66	U
110-54-3	Hexane		<0.9 - 130.0	1,800,000	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U	5.86	5.86	U
123-91-1	1,4-Dioxine				2.06	2.06	U	2.06	2.06	U	2.06	2.06	U	2.06	2.06	U	2.06	2.06	U
124-48-1	Dibromochloromethane				2.71	2.71	U	2.71	2.71	U	2.71	2.71	U	2.71	2.71	U	2.71	2.71	U
127-18-4	Tetrachloroethene	100	<0.9 - 65.7		1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U	1.74	1.74	U
141-78-6	Ethylacetate			1,400,000	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U	1.51	1.51	U
142-82-5	Heptane			2,000,000	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U	1.42	1.42	U
156-59-2	cis-1,2-Dichloroethene				1.25	1.25	U	1.25	1.25	U	1.25	1.25	U	1.25	1.25	U	1.25	1.25	U
541-73-1	1,3-Dichlorobenzene				1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U	1.86	1.86	U
591-78-6	2-Hexanone (MBK)			410,000	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U	1.54	1.54	U
1634-04-4	Methyl t-butyl ether				2.12	2.12	U	2.12	2.12	U	2.12	2.12	U	2.12	2.12	U	2.12	2.12	U
10061-01-5	cis-1,3-Dichloro-1-propene				1.14	1.14	U	1.14	1.14	U	1.14	1.14	U	1.14	1.14	U	1.14	1.14	U
10061-02-6	trans-1,3-Dichloropropene				1.27	1.27	U	1.27	1.27	U	1.27	1.27	U	1.27	1.27	U	1.27	1.27	U
142-28-9	1,3-Dichloropropane				1.73	1.73	U	1.73	1.01	U	1.73	1.01	U	1.73	1.01	U	1.73	1.01	U
630-20-6	1,1,1,2-Tetrachloromethane				1.75	1.75	U	1.75	1.73	U	1.75	1.73	U	1.75	1.73	U	1.75	1.75	U
74-87-3	Chloromethane				1.01	1.01	U	1.01	1.75	U	1.01	1.75	U	1.01	1.75	U	1.01	1.73	U
120-82-1	1,2,4-Trichlorobenzene				6.21	6.21	U	6.21	6.21	U	6.21	6.21	U	6.21	6.21	U	6.21	6.21	U

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 3 - SVI Data Comparison to NYSDOH Decision Matrices

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	101 Frost Street Building								Response
			FS-1 Subslab		Matrix 1	Matrix 2	FS-1 Indoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		1	1.86	U	<5		1.86	U	<0.25		No Further Action
1,1,1-Trichloroethane (1,1,1-TCA)		2	1.63	U		<100	1.63	U		<3	No Further Action
Trichloroethene (TCE)	5	1	1.36	U	<5		1.36	U	<0.25		No Further Action
Tetrachloroethene (PCE)	100	2	14.30			<100	1.74	U		<3	No Further Action

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	101 Frost Street Building								Response
			FS-2 Subslab		Matrix 1	Matrix 2	FS-2 Indoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		1	1.86	U	<5		1.86	U	<0.25		No Further Action
1,1,1-Trichloroethane (1,1,1-TCA)		2	1.63	U		<100	1.63	U		<3	No Further Action
Trichloroethene (TCE)	5	1	1.36	U	<5		1.36	U	<0.25		No Further Action
Tetrachloroethene (PCE)	100	2	1.74	U		<100	1.74	U		<3	No Further Action

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	Century 21 Building								Response
			MS-1 Subslab		Matrix 1	Matrix 2	MS-1 Indoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		1	1.86	U	<5		1.86	U	<0.25		No Further Action
1,1,1-Trichloroethane (1,1,1-TCA)		2	1.63	U		<100	1.63	U		<3	No Further Action
Trichloroethene (TCE)	5	1	1.36	U	<5		1.36	U	<0.25		No Further Action
Tetrachloroethene (PCE)	100	2	1.74	U		<100	1.74	U		<3	No Further Action

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	Century 21 Building								Response
			MS-2 Subslab		Matrix 1	Matrix 2	MS-2 Indoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		1	1.86	U	<5		1.86	U	<0.25		No Further Action
1,1,1-Trichloroethane (1,1,1-TCA)		2	1.63	U		<100	1.63	U		<3	No Further Action
Trichloroethene (TCE)	5	1	1.36	U	<5		1.36	U	<0.25		No Further Action
Tetrachloroethene (PCE)	100	2	1.74	U		<100	1.74	U		<3	No Further Action

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	Century 21 Building								Response
			MS-3 Subslab		Matrix 1	Matrix 2	MS-3 Indoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		1	1.86	U	<5		1.86	U	<0.25		No Further Action
1,1,1-Trichloroethane (1,1,1-TCA)		2	1.63	U		<100	1.63	U		<3	No Further Action
Trichloroethene (TCE)	5	1	1.36	U	<5		1.36	U	<0.25		No Further Action
Tetrachloroethene (PCE)	100	2	1.74	U		<100	1.74	U		<3	No Further Action

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 3 - Summary of SVI Data Comparison to NYSDOH Decision Matrices (continued)

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	Century 21 Building								Response
			MS-4 Subslab		Matrix 1	Matrix 2	MS-4 Indoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		1	1.86	U	<5		1.86	U	<0.25		No Further Action
1,1,1-Trichloroethane (1,1,1-TCA)		2	1.63	U		<100	1.63	U		<3	No Further Action
Trichloroethene (TCE)	5	1	1.36	U	<5		1.36	U	<0.25		No Further Action
Tetrachloroethene (PCE)	100	2	1.74	U		<100	1.74	U		<3	No Further Action

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	Century 21 Building								Response
			MS-5 Subslab		Matrix 1	Matrix 2	MS-5 Indoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		1	1.86	U	<5		1.86	U	<0.25		No Further Action
1,1,1-Trichloroethane (1,1,1-TCA)		2	1.63	U		<100	1.63	U		<3	No Further Action
Trichloroethene (TCE)	5	1	1.36	U	<5		1.36	U	<0.25		No Further Action
Tetrachloroethene (PCE)	100	2	**410.00**			**<100**	1.74	U		<3	**MONITOR**

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	Century 21 Building								Response
			MS-6 Subslab		Matrix 1	Matrix 2	MS-6 Indoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		1	1.86	U	<5		1.86	U	<0.25		No Further Action
1,1,1-Trichloroethane (1,1,1-TCA)		2	1.63	U		<100	1.63	U		<3	No Further Action
Trichloroethene (TCE)	5	1	**11.40**		**<5**		1.36	U	<0.25		**MONITOR**
Tetrachloroethene (PCE)	100	2	**151.00**			**<100**	1.74	U		<3	**MONITOR**

Analyte	NYSDOH Air Guideline Value (µg/m³)	NYSDOH Decision Matrix	Frost Street Sites								Response
			OA-1 Outdoor		Matrix 1	Matrix 2	OA-2 Outdoor		Matrix 1	Matrix 2	
			µg/m³	Q	µg/m³	µg/m³	µg/m³	Q	µg/m³	µg/m³	
Methylene chloride	60	NA	1.40	U			1.40	U			
Carbon tetrachloride		NA	1.86	U			1.86	U			NA
1,1,1-Trichloroethane (1,1,1-TCA)		NA	1.63	U			1.63	U			NA
Trichloroethene (TCE)	5	NA	1.36	U			1.36	U			NA
Tetrachloroethene (PCE)	100	NA	1.74	U			1.74	U			NA

FS = Frost Street Sample MS = Main Street Sample OA = Outdoor Air (Background) Sample NA = Not Applicable

Air Guidelines and Decision Matrices in tables referenced from NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York

No Further Action: Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

MONITOR: Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 4

Sub-surface Soil Gas Pressure Measurements

Sub-slab Pressure Readings

Location	Pressure (in H^20)
FS-1	-0.050
FS-2	0.000 *
MS-1	-0.001
MS-2	0.000
MS-3	-0.020
MS-4	-0.030
MS-5	0.000
MS-6	0.000

* Background pressure reading was 0.050 rather than zero

Sub-pavement Pressure Readings

SVE on & AS on	
Location	Pressure (in H^20)
FSPP-1a	-0.08
FSPP-2a	-0.11
FSPP-3a	-0.01

FROST STREET SITES
WESTBURY, NEW YORK

TABLE 5
Summa® Canister Pressure Readings for Sampling Events

Indoor			Subslab			Outdoor		
	Before	After		Before	After		Before	After
FS-1	-30	-9	FS-1	-30	-5	OA-1	-30	0
FS-2	-30	-7	FS-2	-30	-6	OA-2	-30	-8
MS-1	-30	-5	MS-1	-30	-9	Duplicate (OA-1)	-30	0
MS-2	-30	0	MS-2	-30	0			
MS-3	-30	-6	MS-3	-28	-1			
MS-4	-27	0	MS-4	-30	0			
MS-5	-30	-10	MS-5	-30	0			
MS-6	-30	0	MS-6	-30	0			
Duplicate	-30	-6						

FIGURES

Notes: Aerial photos obtained from the New York State GIS Clearinghouse, 2004

Creation date: 4/4/2007	Print Date: 11/29/2007
Author: CAM	Job No: SPGL0100

G:\SPGL GIS\Frost Street\Maps\Maps\Frost pdfmaps\2007 Overview.pdf

G:\SPGL GIS\Frost Street\Data\Geodatabase\9_2 Data copy\Overview_Map_ver92.mxd

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTAL.COM
WALDEN ASSOCIATES

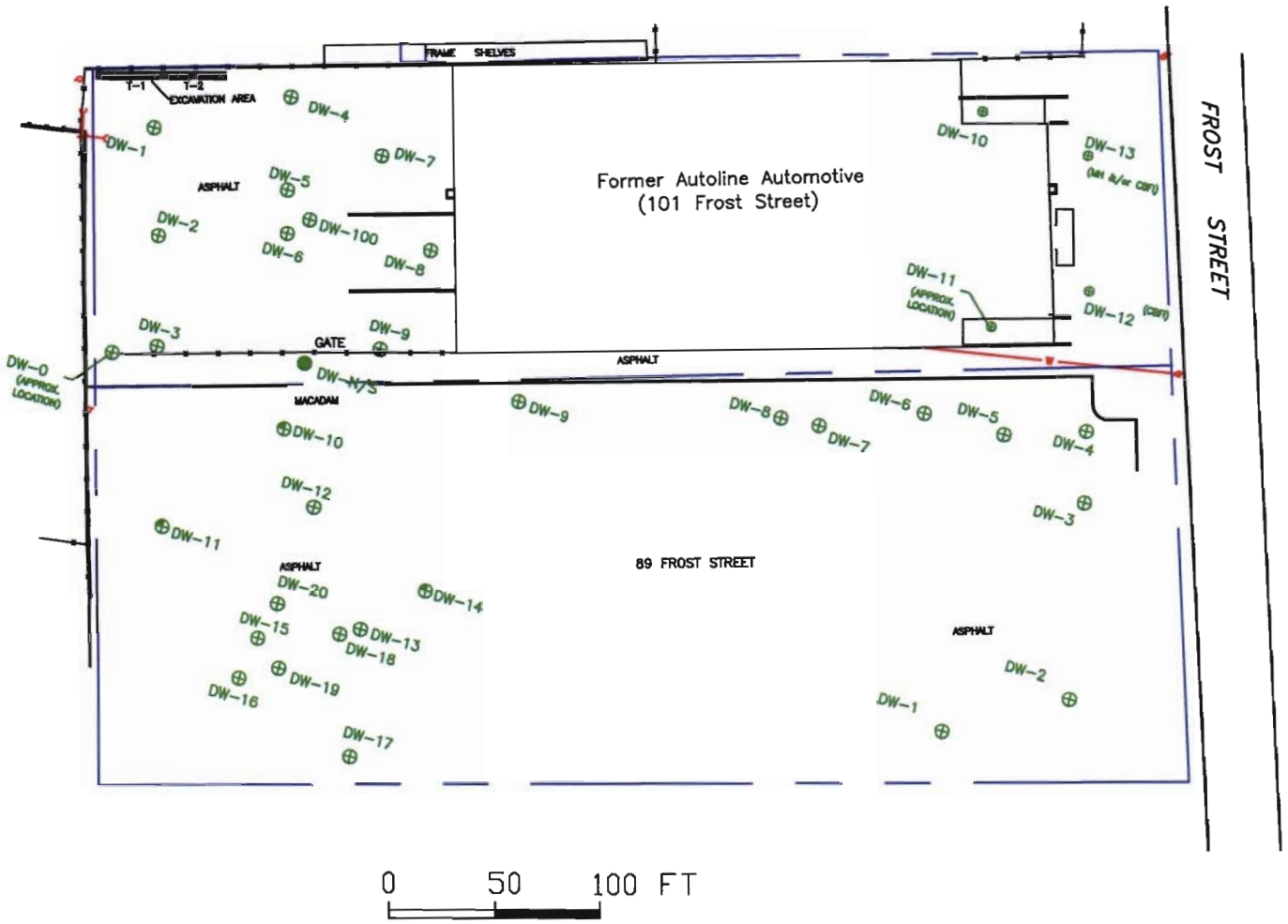
Frost Street Sites

Westbury, New York

Figure 1 - Site Location Map

Legend

- Approx. Limits of Onsite Study Area



LEGEND

- DW ⊕ EXISTING DRYWELL
- —G— UNDERGROUND GAS LINE
- WV • WATER VALVE
- —W— UNDERGROUND WATER LINE
- CURB
- RETAINING WALL
- PROPERTY LINE

NOTES

1. DATE OF SURVEY: OCT. 12, 1998 AND DEC. 1, 1998.
2. PROPERTY LINES ARE APPROXIMATE FROM TAX MAPS.
3. VERTICAL DATUM: NGVD 1929.
4. HORIZONTAL DATUM: N.A.D. 1927 NEW YORK STATE PLANE COORDINATE SYSTEM – LONG ISLAND ZONE, FROM NASSAU COUNTY MONUMENTS.
5. BASEMAP WAS DRAWN BY YEC, INC. DECEMBER 1998.

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 Spring Street
Oyster Bay, New York 11771
P: (516) 624-7200 F: (516) 624-3219
www.walden-assoc.com
Walden Associates

FOR:
NEXT MILLENIUM REALTY, LLC
101 FROST STREET ASSOCIATES
Frost Street Sites
Westbury, New York

TITLE:
89 & 101 Frost Street Drywell Locations

FIGURE NO: 2

JOB NO: SPGL0100
DATE: 5-12-06
CAD FILE NAME: ZX\spgl100 - Frost St\Quarterly-Annual GW Monitoring Report\Figure 2 89 & 101 Frost Street Drywell Locations.dwg

Notes: Aerial photos obtained from the New York State GIS Clearinghouse

Creation date: 4/4/2007	Print Date: 2/26/08
Author: MDC	Job No: SPGL0100
PDF: W:\SPGL GIS\Frost Street\Maps\sve_as well locations\	
Map: W:\SPGL GIS\Frost Street\Maps\sve_as well locations	

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
115 SPRING STREET
OYSTER BAY, NEW YORK
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTAL.COM
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Frost Street Sites

Westbury, New York

Figure 3
SVE/AS Well Locations

Legend

- Approx. Limits of Onsite Study Area
- Air Sparge
- SVE
- SVE 120ft Radius of Influence

Notes: Aerial photos obtained from the New York State GIS Clearinghouse

Creation date: 4/4/2007	Print Date: 2/19/08
Author: MDC	Job No: SPGL0100
PDF: W:\SPGL GIS\Frost Street\Maps\Soil Vapor intrusion\Soil_Vapor_Intrusion.pdf	
Map: W:\SPGL GIS\Frost Street\Maps\Soil Vapor intrusion\Soil_Vapor_Intrusion.mxd	

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTAL.COM
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Frost Street Sites

Westbury, New York

Figure 4
Vapor Intrusion Monitoring Locations

Legend

Air Sample Location

Type

- Sub-Slab Vapor and Indoor Air Sample Location
- Outdoor Air Sample Location
- Approx. Limits of Onsite Study Area
- Perimeter Pressure Points

APPENDICES

APPENDIX A

Completed NYSDOH Indoor Air Quality Questionnaire and Building Inventory Sheets

OSR – 3

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

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

Preparer's Name PAB & GLS Date/Time Prepared 3-6-07 10:39

Preparer's Affiliation Walden Phone No. _____

Purpose of Investigation SVI

1. OCCUPANT:

Interviewed: Y / N

Last Name: Hall First Name: David

Address: 101 Frost Street, Westbury NY 11590 (Corinthian Antiques & Reproductions)

County: Nassau

Home Phone: _____ Office Phone: 516 997 7400

Number of Occupants/persons at this location 10 Age of Occupants 35-40

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) Antiques

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

Other characteristics:

Number of floors 1 Building age_____

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

4. AIRFLOW

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

Airflow between floors

None/NA

Airflow near source

None/NA

Outdoor air infiltration

None/NA

Infiltration into air ducts

None/NA

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

a. Above grade construction:	wood frame	concrete	(stone)	brick
b. Basement type:	full	crawlspace	slab	other None
c. Basement floor:	concrete	dirt	stone	other NA
d. Basement floor:	uncovered	covered	covered with NA	
e. Concrete floor:	(unsealed)	sealed	sealed with	
f. Foundation walls:	poured	(block)	stone	other
g. Foundation walls:	(unsealed)	sealed	sealed with painted	
h. The basement is:	wet	damp	dry	moldy NA
i. The basement is:	finished	unfinished	partially finished	NA
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N (not applicable)			

Basement/Lowest level depth below grade: 0 (feet)

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

None observed in Showroom & warehouse

Sewer & water plumbing observed in bathrooms

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

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

(Hot air circulation) Primary	Heat pump	Hot water baseboard	
(Space Heaters) Warehouse	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other

The primary type of fuel used is:

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

Domestic hot water tank fueled by: [redacted] Gas

Boiler/furnace located in: Basement Outdoors Main Floor Other NA

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

Runs down middle of tenant space (length wise)

Are there air distribution ducts present? (Y) N

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

Duck work is observed to be in good condition

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	None
1st Floor	Showcase / Warehouse / offices / Bathroom
2nd Floor	None
3rd Floor	None
4th Floor	None

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y (N) NA Please specify_____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

If yes, what types of solvents are used? See product inventory form

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

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

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

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

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

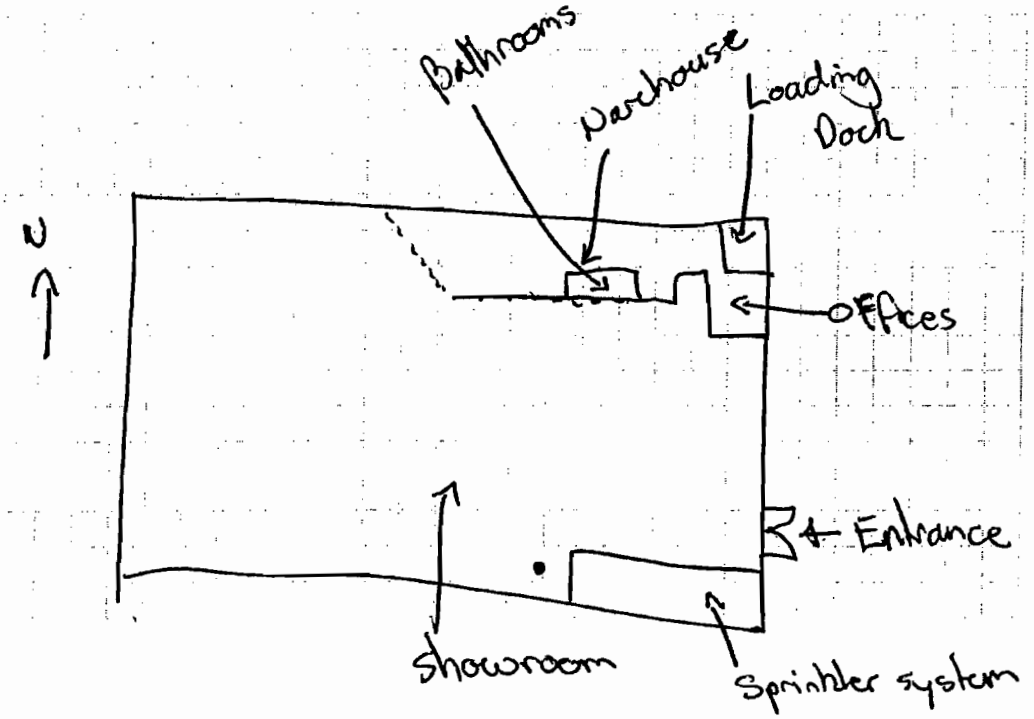
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

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

Basement:

First Floor:



12. OUTDOOR PLOT

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

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

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** (Y/N)
Warehouse	Wood fillers		Good		Nt	
Prep Area	Stains			aliphatic hydrocarbons	No odors	
	Wood glue			(Elmer's Carpenter glue)		
	Lacquer			aromatic hydrocarbons, Acetates, Ketones		
	Waxs (furniture)			aliphatic hydrocarbons		
	Lubricating oil (general)			Petroleum distillates		
	Silicon Spray			Petro. distillates		
	Lacquer thinner			Acetone/Turpentine		
	Silicon Caulk					
	Spackling Compound					
	Degreaser Cleaner			Food grade mineral oil/Liquid Pet. gas.		
	Castrol-grease					
	bug Spray					
	Brake fluid					
	Spray Adhesive			Non-volatile.		
	Rust-Oleum			Acetone/toluene/xylene		
	Fiberglass resin			Styrene Monomer		

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

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

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

Preparer's Name PAB & GLS Date/Time Prepared 3/7/07 1115

Preparer's Affiliation Walden Phone No. 516 624 7200

Purpose of Investigation SVI

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Liu First Name: Frank

Address: 106 Frost Street, Westbury NY 11590 (Home Dimensions Design Company)

County: Nassau

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location 1 Age of Occupants _____

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

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: 101 Frost St. Associates - Spigel Associates

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) Furniture Warehouse

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

Other characteristics:

Number of floors 1 Building age_____

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

4. AIRFLOW

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

Airflow between floors

NA

Airflow near source

NA

Outdoor air infiltration

NA

Infiltration into air ducts

NA

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

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

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

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

Cracks in the slab floor were observed throughout the site in varying lengths & widths. Approximately 85% of the slab was covered by carpet & furniture.

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

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

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

The primary type of fuel used is:

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

Domestic hot water tank fueled by: gas

Hot water heater

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

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

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

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

NA

7. OCCUPANCY

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

Level	General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)
Basement	NA
1st Floor	furniture warehouse & offices, bathrooms
2nd Floor	NA
3rd Floor	NA
4th Floor	NA

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

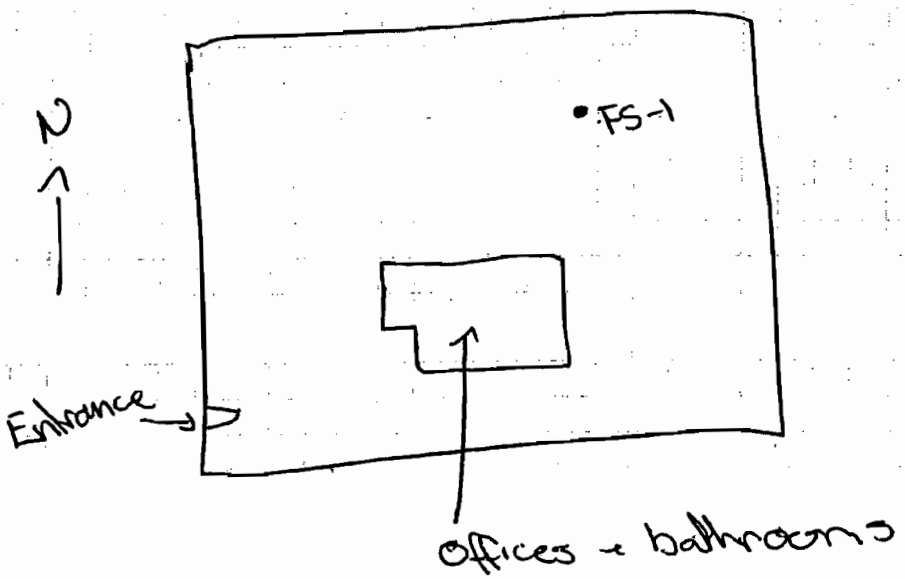
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

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

Basement:

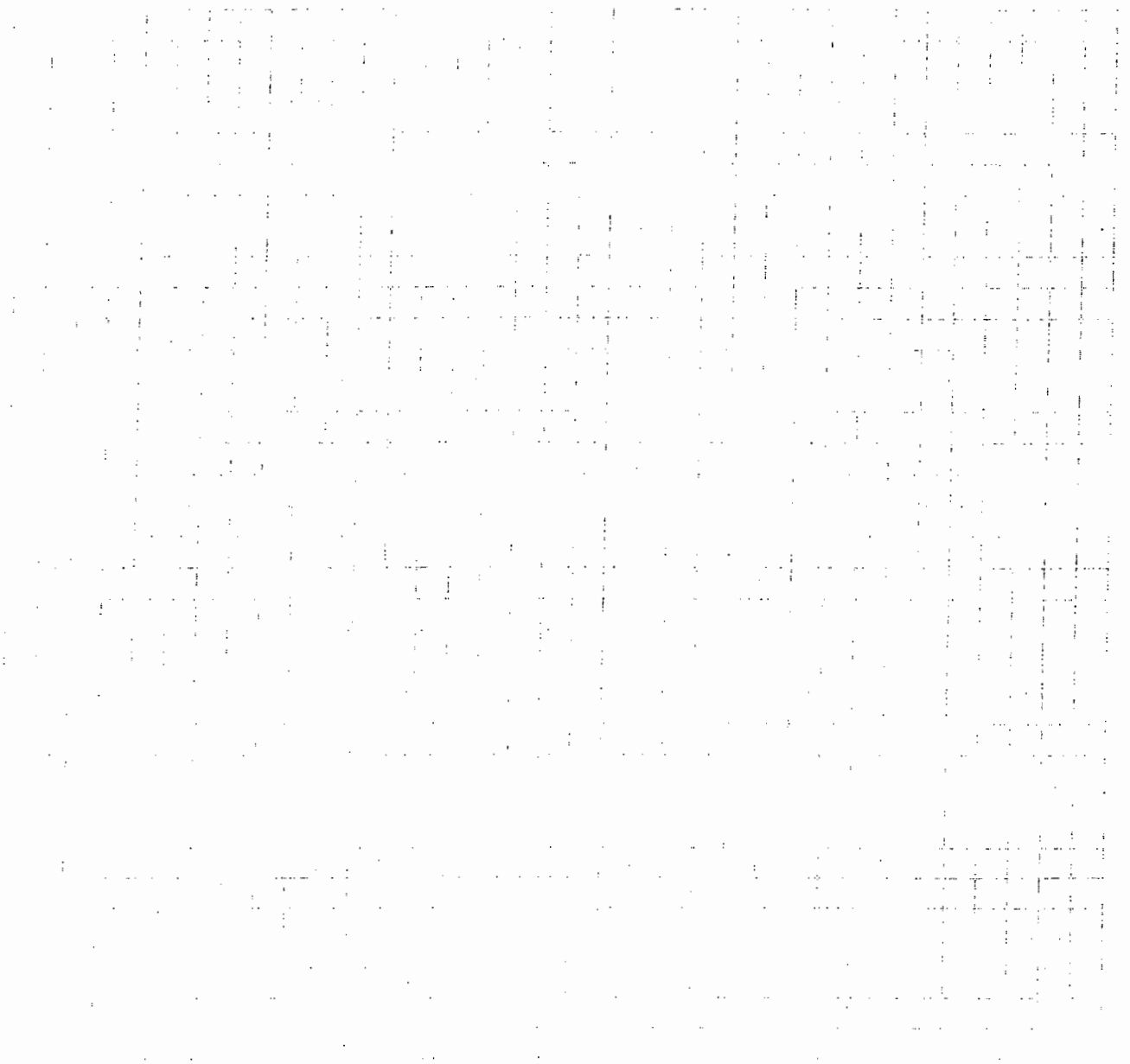
First Floor:



12. OUTDOOR PLOT

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

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



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	Paint	32 fl oz.	good		NA	Y
	Windex	"	↓		↓	↓
	Lexol	½ Liter				
	Wood stain 2x	8 fl. oz		Aliphatic hydrocarbons		
	Lacquer Thinner	32 f.o.		Petro distillate, Methanol, Toluene, Acetone, Xylene, Methyl Ethyl Ket, propylene glycol, Ethyl Acetate, Monomethyl Ether Acetate		
	Specs Paint Thinner	32 f.o.		Petro Distillate		
	Murphy's Oil Soap	90 f.o.				
	glass cleaner	1 gallon				
	Lysol	18 oz		Alkyl, Ethanol Dimethyl Benzyl Ammonium Salt chloride		
	Paint	~20 ga.		Acrylic Resin, Propanoic Acid, Titanium oxide, 1,2-Ethanediol, 2-methyl-Monoester with 2,2,4-trimethyl-1,3-Pentanediol		
	Adhesive	4 ga.		Propylene Glycol VM&P Naphtha		
	Car Wash	16 f.o.				
	Shoe Polish	2.5 oz				

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

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

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

Preparer's Name PMB & GLS Date/Time Prepared 3-12-07

Preparer's Affiliation Walden Phone No. 516 624 7200

Purpose of Investigation SVI

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Montesano First Name: Rocco

Address: 1085 Old Country Rd, Westbury NY 11590

County: Nassau

Home Phone: 516 333 5200 Office Phone: 516 333 5200

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

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

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

- Ortho weed B Gon max 1.33 ga.
  propionic acid equivalent
  2,4-Dichlorophenoxyacetic acid eq.
  3,6-dichoro-o-anisic ac. eq.
  single isomer form of mecoprop-p.
- Butchers over Drive Spray Buff 6x 32 fl. oz.
  Retro. dist.
- painters touch - multi purpose paint 2x12 oz.
  ~~Tech~~ toluene, acetone, xylene
- all purpose spray enamel 2x10oz.
  toluene, acetone, xylene
- Butchers Jackhammer Baseboard & Build-up stripper 6x23oz.
  monoethanolamine
  2-butoxy ethanol
  isopropyl alcohol
  acrylic copolymer
  propane
  butane
- stain & spot remover 12 oz. 2-butoxyethanol
- insulating foam sealant 12 oz.
  isopropanol, ethylene glycol, Dimethyl ether, propane, butane, aliphatic amines
- vinyl adhesive caulk 10oz.
- Bird repellant 2x10.5 oz. polybutene
- Butchers Head start carpet pre-spray 2x 1 ga.
  anionic & nonionic surfactant

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Retail Clothing

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

Other characteristics:

Number of floors 1 Building age_____

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

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

N/A

Infiltration into air ducts

N/A

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

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

Basement/Lowest level depth below grade: 10-12 (feet)

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

Sewer & water plumbing, drain observed in exterior wall
No cracks in concrete observed

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

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

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

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

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: ~~N~~ Basement Outdoors Main Floor Other_____

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

Are there air distribution ducts present? (Y) N

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

Duct work is observed to be in good condition

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Retail / storage
1st Floor	Retail / storage / Bathrooms / offices
2nd Floor	Offices /
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) N 2 loading docks

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

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

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

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

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

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

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

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

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

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

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

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

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

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

p. Has there been a pesticide application? Y / N When & Type? 2/month → Insecticide guy keys traps

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

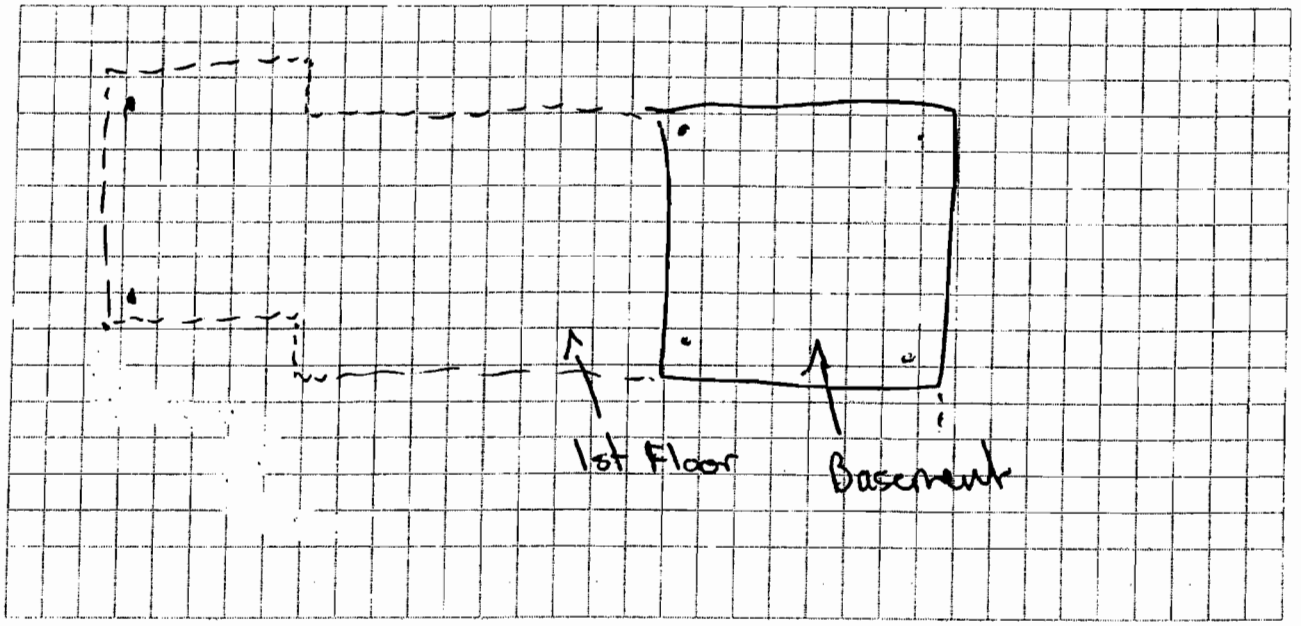
c. Responsibility for costs associated with reimbursement explained? Y / N

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

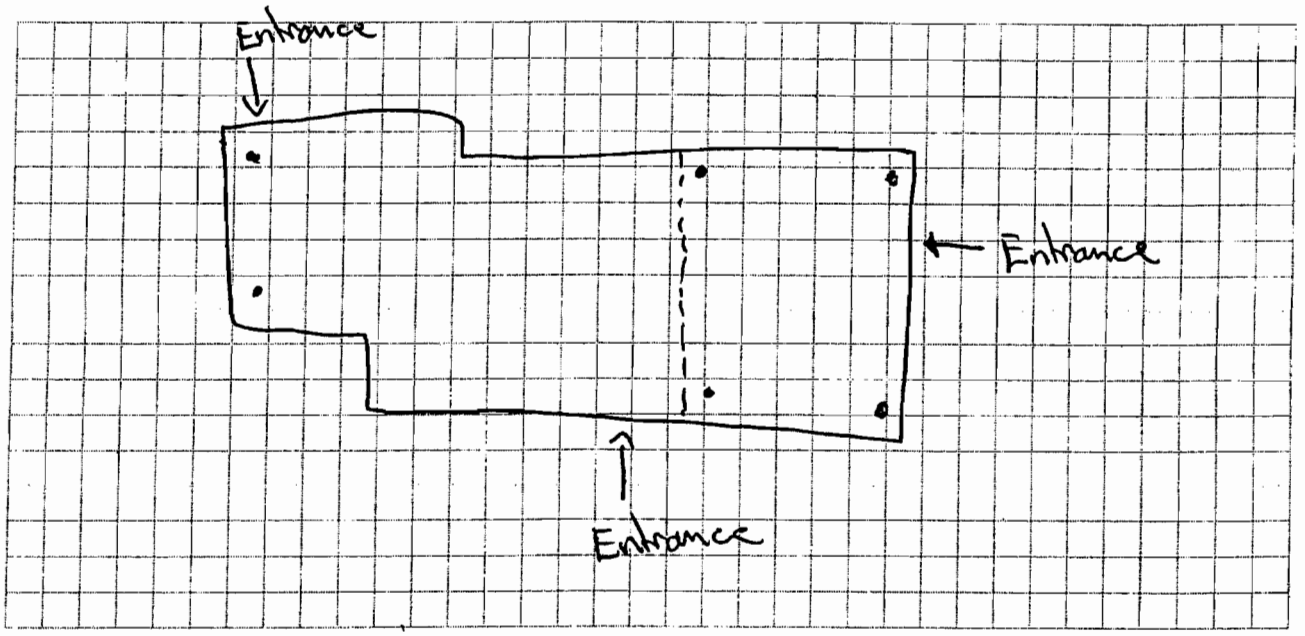
11. FLOOR PLANS

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

Basement:



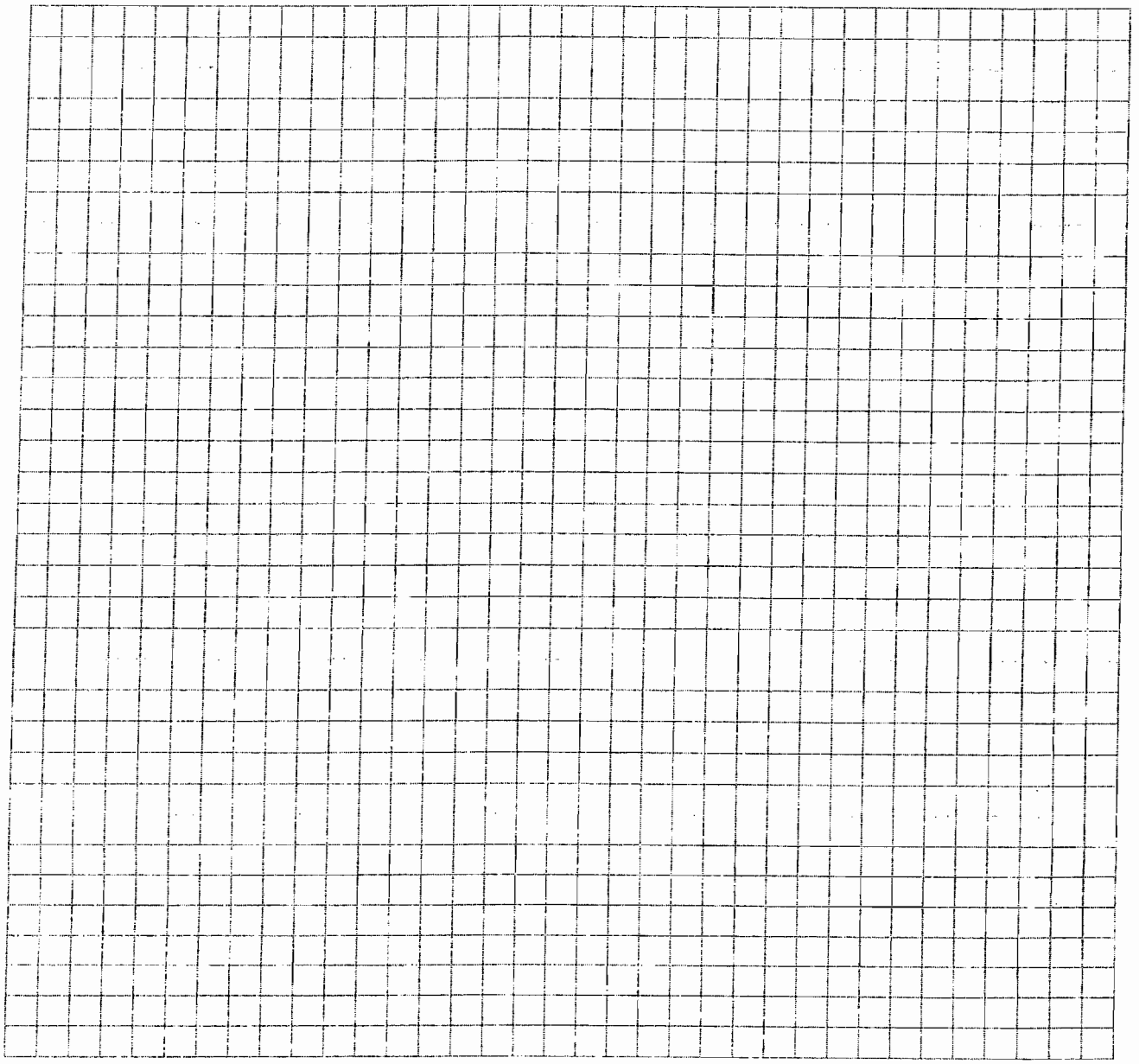
First Floor:



12. OUTDOOR PLOT

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

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



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Warehouse	Spot Cleaner	32cans	Good	TCE, Solvents	N/A	Y
	Hand Soap					
	Disinfectant Spray	35 cans		Ethanol, phenols		
	Bleach (Gallons	3 bottles		Sodium Hypochlorite		
	Carpet deodorizer	10cans		Calcite.		
	Chlorine bleach	10cans		Chlorine		
	Glass cleaner (1.5G)	5 bottles		Alcohols, ethers,		
	Hand Soap (1G)	4 bottles		Phosphates.		
	Acid Cleaner (1.5G)	1 bottle		Ammonium Chlorides		
	Spray cleaner (1.5G)	7 bottles		Unknown		
	Rid-a-Gum (16oz)	8 bottles		Petroleum distillates		
	Metal Polish (16oz)	16cans		Petroleum distillates		
	Time Mist	4 boxes		Air freshner		
	Ceramic tile Adhesive	3 (5G)				
	Enamel Paints (4L)	8				
	Joint Compound (1G)	6				
	Floor covering adhesive	(5G) 1		Solvent Free		
	Calcium Chloride pellets	5 50lb bags		Calcium Chloride		

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

APPENDIX B

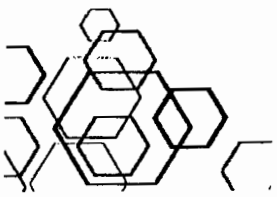
Laboratory Analytical Reports

UNITED CHEMISTS

Kristin Scroope
Walden Environmental
16 Spring Street
Oyster Bay, NY 11771

Re: CATB for 101 Frost Street

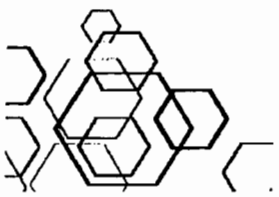
Chris Domaradzki
Laboratory Director
United Chemists



59-8 Central Avenue
Farmingdale, NY 11735
516.662.5038 (cell)
631.414.7661 (fax)

UNITED CHEMISTS

Sample Results



59-8 Central Avenue
Farmingdale, NY 11735
516.662.5038 (cell)
631.414.7661 (fax)

United Chemists

176 Forest Avenue, Glen Cove, NY 11542
Phone - (516) 662-5038

NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-1
Client Sample ID: FS-1 Subslab
Collected: 03/08/2007 10:35
Analyzed Date: 03/16/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	2.13	2.13	0.20	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.15	1.65	0.38	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-1
Client Sample ID: FS-1 Subslab
Collected: 03/08/2007 10:35
Analyzed Date: 03/16/2007
Matrix: Air Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	Methyl Isobuthyl Ketone	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	14.3	2.10	
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	Methyl Buthyl Ketone	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-2
Client Sample ID: FS-1 Indoor
Analyzed Date: 03/16/2007
Matrix: Air
Remarks:

Collected: 03/08/2007 10:41

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	2.13	2.13	0.20	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.65	1.65	0.38	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-2
Client Sample ID: FS-1 Indoor
Collected: 03/08/2007 10:41
Analyzed Date: 03/16/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	Methyl Isobuthyl Ketone	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	Methyl Buthyl Ketone	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-3
Client Sample ID: FS-2 Subslab
Collected: 03/08/2007 11:22
Analyzed Date: 03/16/2007
Matrix: Air Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	2.13	2.13	0.20	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.65	1.65	0.38	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-3
Client Sample ID: FS-2 Subslab
Analyzed Date: 03/16/2007
Matrix: Air
Remarks:

Collected: 03/08/2007 11:22

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	Methyl Isobuthyl Ketone	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	Methyl Buthyl Ketone	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-4
Client Sample ID: FS-2 Indoor
Analyzed Date: 03/16/2007
Matrix: Air
Remarks:

Collected: 03/08/2007 11:23

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	2.13	2.13	0.20	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.65	1.65	0.38	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-4
Client Sample ID: FS-2 Indoor
Analyzed Date: 03/16/2007
Matrix: Air
Remarks:

Collected: 03/08/2007 11:23

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	Methyl Isobuthyl Ketone	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	25.5	7.22	
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	Methyl Buthyl Ketone	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-5
Client Sample ID: OA-2
Analyzed Date: 03/16/2007
Matrix: Air
Remarks:

Collected: 03/08/2007 11:13

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	2.13	2.13	0.20	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.65	1.65	0.38	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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176 Forest Avenue, Glen Cove, NY 11542
Phone - (516) 662-5038

NYS Lab ID # 11866 05/01/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703618-5
Client Sample ID: OA-2
Analyzed Date: 03/16/2007
Matrix: Air
Remarks:

Collected: 03/08/2007 11:13

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	Methyl Isobuthyl Ketone	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	25.5	7.22	
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	Methyl Buthyl Ketone	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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05/01/2007

INORGANIC METHOD QUALIFIERS

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

D - This flag indicates a system monitoring compound diluted out.

E - Reported value is estimated because of the presence of interferences.

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

ORGANIC METHOD QUALIFIERS

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

J - Indicates an estimated value. The concentration reported was detected below Practical Quantitation Limit and the Method Detection Limit (MDL).

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

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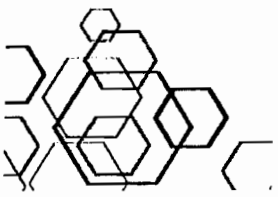
Custody Documents



59-8 Central Avenue
Farmingdale, NY 11735
516.662.5038 (cell)
631.414.7661 (fax)

COC# 0703618

AIR CANISTER SAMPLES CHAIN OF CUSTODY RECORD

UNITED CHEMISTS
178 forest ave • glen cove, NY 11542
lab.516.801.4591 • cell.516.662.5038

Sampled by: PWB
1 of 1 COC's

Analysis turnaround time: ✓
Standard (specify) ✓
Rush (Specify)

CLIENT CONTACT

Company: Walden Associates
Address: 16 Spring Street
City/State/Zip: Oyster Bay, NY
Phone: 516 624 7200
Fax: 516 624 3219

Project name: 101 Frost Street
Site: "
PO#: SPGL0100
Project manager: Kristin Scroope
Phone:

SAMPLE IDENTIFICATION

Sample Identification	Sample date(s)	Time start	Time stop	Canister vacuum in field, Hg (Start)	Canister vacuum in field, Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other	[illegible]	Indoor air	Ambient air	Soil gas	Landfill gas	Other
FS-1 Subslab	3-8-07	1035	1035	-30	-5		5578	✓									✓		
FS-1 Indoor	3-8-07	1041	1041	-30	-9		5280	✓							✓				
FS-2 Subslab	3-8-07	1122	1122	-30	-6		5189	✓									✓		
FS-2 Indoor	3-8-07	1123	1123	-30	-7		3077	✓							✓				
OA-2	3-8-07	1113	1113	-30	-8		5165	✓								✓			

Temperature (Fahrenheit)	Interior	Ambient
Start	55	24
Stop	54	30

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions: Full TO-15 list

Canisters shipped by: [signature] Date & time: 3-9-07 14:46 Canisters received by: C. DeMarco/ZH 3/9/07 14:46
Samples relinquished by: Date & time: received by:
Relinquished by: Date & time: received by:
LAB USE ONLY: Shipper name: Opened by: Condition:

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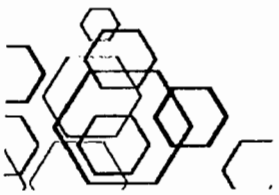
Method Detection Limits



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Date	3/7/2007
Instrument	B
MatrixType(L or NL)	NL
IV	1
FV	1

File IDs: C:\HPCHEM\1\DATA\18

Method	8260
Department	GCMS-AV
Channel	A
Units	ppb

Compounds:	spk amt	9	10	11	12	13	14	15	STDDEV	MDL
Methyl-tert-butyl ether	2.5	3.59	3.66	3.92	3.42	3.73	3.39	3.74	0.187	0.59
Benzene	2.5	3.11	3.17	3.36	3.08	3.14	3.13	3.24	0.096	0.30
Dichlorodifluoromethane	2.5	3.26	3.41	3.59	3.4	3.53	3.25	3.39	0.126	0.40
Chloromethane	2.5	2.92	2.93	3.29	2.93	3.21	3.16	3.17	0.156	0.49
Vinylchloride	2.5	3.29	3.22	3.18	3.01	3.24	2.89	3.28	0.151	0.47
Bromomethane	2.5	3.2	2.91	3.4	3.15	3.22	2.93	3.44	0.187	0.59
Ethanol	2.5	3.15	2.89	3.4	3.21	3.31	3.05	0.09	0.183	0.57
Chloroethane	2.5	3.11	3.07	3.08	2.94	3.11	2.94	3.04	0.073	0.23
Acetone	2.5	3.36	3.66	3.98	3.55	3.62	3.7	3.84	0.200	0.63
Isopropyl Alcohol	2.5	2.79	2.87	2.67	2.58	2.64	2.55	2.91	0.142	0.45
Trichlorofluoromethane	2.5	3.37	3.3	3.53	3.28	3.44	3.4	3.48	0.091	0.29
1,1-Dichloroethene	2.5	3.13	3.12	3.27	3.08	3.17	3.09	3.22	0.070	0.22
1,3-Butadiene	2.5	3.22	3.36	3.39	3.3	3.3	3.02	3.52	0.155	0.49
Methylene chloride	2.5	3.01	3.04	2.94	2.7	2.83	2.77	2.96	0.128	0.40
Carbon Disulfide	2.5	3.09	3.15	3.21	3.08	3.11	3.2	3.13	0.051	0.16
1,1,2-trichloro-1,2,2trifluoroethane	2.5	3.39	3.36	3.47	3.29	3.48	3.36	3.52	0.082	0.26
1,1-Dichloroethane	2.5	2.91	2.99	2.89	2.79	2.84	2.87	2.94	0.066	0.21
Heptane	2.5	2.72	2.85	2.96	2.75	2.93	2.75	2.98	0.110	0.34
cis-1,2-Dichloroethene	2.5	2.59	2.59	2.81	2.53	2.54	2.65	2.71	0.100	0.32
Hexane	2.5	1.71	2.74	3.03	2.36	1.85	1.77	1.85	0.528	1.66
Chloroform	2.5	2.93	2.88	3.01	2.77	2.89	2.87	2.96	0.076	0.24
1,1,1-Trichloroethane	2.5	2.89	2.92	3.06	2.82	2.83	2.89	3.04	0.095	0.30
Carbon tetrachloride	2.5	3.24	3.3	3.47	3.23	3.37	3.24	3.4	0.094	0.29
Trichloroethylene	2.5	3.5	3.67	3.71	3.62	3.68	3.57	3.72	0.080	0.25
2-Butanone (MEK)	2.5	2.45	2.48	2.63	2.38	2.39	2.45	2.61	0.099	0.31
1,2-Dichloroethane	2.5	3.04	2.81	3.44	3.21	3.01	3.54	1.89	0.548	1.72
1,2-Dichloropropane	2.5	3.01	3.07	3.35	2.97	3.1	2.96	3.19	0.139	0.44
Ethyl Acetate	2.5	4.25	4.21	4.46	4.07	4.08	4.17	4.14	0.133	0.42
Bromodichloromethane	2.5	2.33	2.43	2.56	2.26	2.43	2.36	2.4	0.094	0.30
cis-1,3-Dichloropropene	2.5	2.94	2.94	3.04	2.81	2.95	2.86	3.06	0.080	0.25
1,4 Dioxane	2.5	4.01	4.31	4.25	3.88	3.98	4.27	4.09	0.182	0.57

Toluene	2.5	3.26	2.94	3.57	3.29	2.79	3.23	2.96	0.277	**0.87**
Methyl Butyl Ketone	2.5	4.43	4.42	4.44	4.18	4.25	4.22	4.37	0.119	**0.37**
trans-1,3-Dichloropropene	2.5	2.94	2.94	3.04	2.81	2.95	2.86	3.06	0.089	**0.28**
1,1,2-Trichloroethane	2.5	3.01	3.08	3.12	2.93	3.12	3.03	3.16	0.079	**0.25**
Tetrachloroethene	2.5	2.92	3.02	3.1	2.87	3.03	2.93	3.04	0.082	**0.26**
Dibromochloromethane	2.5	2.47	2.54	2.68	2.36	2.5	2.46	2.58	0.101	**0.32**
1,2-Dibromoethane	2.5	2.92	3.03	3.12	2.89	3.01	2.96	2.99	0.076	**0.24**
Chlorobenzene	2.5	3.16	3.18	3.39	3.04	3.19	3.09	3.26	0.114	**0.36**
Ethylbenzene	2.5	3.21	3.31	3.47	3.1	3.24	3.3	3.43	0.127	**0.40**
m+p-Xylene	2.5	3.33	3.45	3.63	3.22	3.4	3.3	3.43	0.131	**0.41**
o-Xylene	2.5	3.18	3.19	3.46	3.09	3.23	3.21	3.35	0.122	**0.38**
Styrene	2.5	2.96	3.09	3.28	2.94	3.03	2.91	3.05	0.125	**0.39**
1,1,2,2-Tetrachloroethane	2.5	3.01	3.08	3.12	2.93	3.12	3.03	3.16	0.079	**0.25**
1,3,5-Trimethylbenzene	2.5	3.27	3.45	3.69	3.29	3.47	3.33	3.46	0.145	**0.45**
Benzyl Chloride	2.5	4.07	4.23	4.32	4.03	4.13	4.05	4.19	0.106	**0.33**
1,2,4-Trimethylbenzene	2.5	3.76	3.35	3.57	3.19	3.36	3.22	3.35	0.201	**0.63**
Methyl Isobutyl Ketone	2.5	3.22	3.48	3.55	4.18	3.46	3.41	3.3	0.314	**0.99**
1,3-Dichlorobenzene	2.5	2.91	3	3.1	2.79	2.95	2.87	2.91	0.098	**0.31**
1,4-Dichlorobenzene	2.5	3.02	3.26	3.23	2.58	2.92	2.82	2.99	0.235	**0.74**
1,2-Dichlorobenzene	2.5	3.09	3.07	3.06	2.85	3.09	2.44	3.07	0.242	**0.76**
1,2,4-Trichlorobenzene	2.5	2.32	2.18	2.96	2.6	2.76	2.65	2.45	0.266	**0.83**
Hexachlorobutadiene	2.5	3.17	3.51	3.48	3.25	3.28	3.21	3.31	0.131	**0.41**

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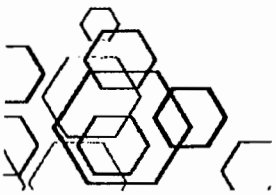
QC Data Summaries



59-8 Central Avenue
Farmingdale, NY 11735
516.662.5038 (cell)
631.414.7661 (fax)

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\27\2.D Vial: 15
Acq On : 18 Mar 2007 6:13 am Operator: Chris Domaradzki
Sample : BLANK Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 16 18:34 2007 Quant Results File: TO151.RES

Quant Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
19) Bromochloromethane	12.64	128	36218015	50.00 ppb	0.04
28) 1,4 Difluorobenzene	14.86	114	118509978	50.00 ppb	0.04
40) Chlorobenzene-D5	20.59	117	104114640	50.00 ppb	0.04
System Monitoring Compounds					
47) 4-bromofluorobenzene	23.19	95	62972815	50.54 ppb	0.04
Target Compounds					Qvalue

(#) = qualifier out of range (m) = manual integration
15.D TO151.M Fri Nov 16 19:07:06 2007

BFB

Data File : C:\HPCHEM\1\DATA\B025\BFB001.D Vial: 1
Acq On : 18 Mar 2007 7:36 am Operator:
Sample : 50ngBFB Inst : GC/MS Ins
Misc : 1;L Multiplr: 1.00
MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :

Spectrum Information: Scan 1864

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	14483	PASS
75	95	30	60	40.0	33216	PASS
95	95	100	100	100.0	83104	PASS
96	95	5	9	8.8	7338	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	51.9	42336	PASS
175	174	5	9	8.3	2688	PASS
176	174	95	101	95.5	30584	PASS
177	176	5	9	7.9	2339	PASS

BFB001.D TO151.M Fri Nov 16 18:39:25 2007

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

Calibration Files
1 =2.D 2 =3.D 3 =4.D
4 =5.D 5 =6.D 6 =7.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)		dichlorodifluoromet	2.027	2.260	2.222	2.069	2.038	1.754	2.061	8.72
2)	P	chloromethane	2.777	3.129	3.037	2.837	2.935	3.030	2.958	4.50
3)		1,2-dichlorotetrafl	2.829	3.150	2.953	2.766	2.634	2.155	2.748	12.35
4)	C	vinyl chloride	0.942	1.085	1.068	1.013	1.049	1.049	1.034	4.95#
5)		1,3-Butadiene	6.035	7.330	6.951	6.630	6.877	7.019	6.807	6.47
6)		bromomethane	1.041	1.298	1.239	1.178	1.217	1.209	1.197	7.23
7)		chloroethane	5.812	6.402	6.255	5.926	6.172	6.316	6.147	3.76
8)		trichlorofluorometh	1.753	2.087	1.928	1.852	1.868	1.688	1.863	7.49
9)	CM	1,1-dichloroethene	1.113	1.145	1.097	1.045	1.089	1.068	1.093	3.17#
10)		methylene chloride	6.063	5.871	5.992	5.843	6.254	6.555	6.096	4.42
11)		1,1,2-trichloro-1,2	2.241	2.430	2.295	2.198	2.163	1.863	2.198	8.59
12)		MTBE	1.727	1.797	1.793	1.629	1.657	1.528	1.688	6.18
13)	P	1,1-dichloroethane	1.715	1.478	1.606	1.559	1.715	1.613	1.614	5.68
14)		Acetone		4.760	4.689	4.162	4.299	4.562	4.494	5.69
15)		cis-1,2-dichloroeth	1.058	0.940	0.971	0.973	1.136	1.157	1.039	8.86
16)		Hexane	1.709	1.947	1.889	1.808	1.835	1.712	1.817	5.24
17)	C	chloroform	1.926	1.798	1.903	1.855	1.974	1.731	1.864	4.78#
18)		1,2-dichloroethane		6.838	7.633		8.894	9.986	8.338	16.64
19)		Bromochloromethane	----------ISTD----------							
20)		Ethyl Acetate	0.441	0.550	0.569	0.453	0.478	0.457	0.491	11.13
21)		1,1,1-trichloroetha	3.315	3.428	3.468	3.106	3.195	2.672	3.197	9.12
22)		2-Butanone	3.315	3.428	3.468	3.106	3.195	2.672	3.197	9.12
23)		Heptane	2.075	2.446	2.408	2.147	2.083	1.822	2.164	10.76
24)	M	benzene	4.501	5.048	5.166	4.490	4.451	3.498	4.526	13.06
25)		carbon tertrachlori	2.927	3.781	3.679	3.216	3.067	2.539	3.202	14.63
26)	C	1,2-dichloropropane	1.577	1.811	1.906	1.653	1.700	1.657	1.718	7.00#
27)		trichloroethene		3.531	3.112	2.720	2.583	2.189	2.827	18.16
28)		1,4 Difluorobenzene	----------ISTD----------							
29)		Bromodichloromethan	1.084	1.017	1.082	1.043	1.131	0.957	1.052	5.79
30)		1,4-Dioxane	0.274	0.278	0.301	0.293	0.316	0.317	0.297	6.16
31)		cis-1,3-dichloropro	0.617	0.655	0.707	0.676	0.769	0.739	0.694	8.04
32)		trans-1,3-dichlorop	0.617	0.655	0.707	0.676	0.769	0.739	0.694	8.04
33)		1,1,2-trichloroetha	0.449	0.456	0.482	0.454	0.505	0.506	0.475	5.45
34)		Dibromochloromethan	1.071	1.067	1.131	1.110	1.225	1.023	1.104	6.35
35)	CM	toluene	0.014	0.012	0.013	0.011	0.013	0.013	0.013	8.30#
36)		1,2-dibromoethane	0.772	0.808	0.846	0.820	0.938	0.879	0.844	6.93
37)		Methyl Butyl Ketone	0.390	0.370	0.420	0.429	0.482	0.489	0.430	11.14
38)		Methyl Isobutyl Ket	0.383	0.388	0.419	0.408	0.436	0.401	0.406	4.84
39)		tetrachloroethene	1.086	1.101	1.119	1.103	1.153	0.946	1.085	6.62
40)	I	Chlorobenzene-D5	----------ISTD----------							
41)		Chlorobenzene	1.258	1.223	1.284	1.185	1.266	1.085	1.217	6.04
42)	C	ethylbenzene	0.598	0.609	0.619	0.566	0.622	0.607	0.604	3.34#
43)		m+p-xylene	1.357	1.379	1.438	1.307	1.453		1.387	4.31
44)		styrene	0.778	0.777	0.826	0.777	0.874	0.824	0.809	4.84
45)		o-xylene	0.719	0.727	0.749	0.684	0.748	0.722	0.725	3.28
46)		1,1,2,2-tetrachloro	0.532	0.518	0.545	0.503	0.555	0.558	0.535	4.07
47)	S	4-bromofluorobenzen	0.577	0.587	0.598	0.600	0.612	0.616	0.598	2.48
48)		4-methyltoluene	0.146	0.146	0.149	0.140	0.152	0.158	0.148	4.25
49)		1,3,5-trimethylbenz	1.327	1.354	1.387	1.283	1.370	1.207	1.321	5.06
50)		1,2,4-trimethylbenz	1.650	1.354	1.387	1.607	1.591	1.202	1.465	12.13
51)		1,3-dichlorobenzene	0.711	0.665	0.703	0.683	0.782	0.771	0.719	6.60
52)		1,4-dichlorobenzene	0.729	0.687	0.724	0.699	0.782	0.771	0.732	5.22
53)		Benzyl Chloride	0.635	0.594	0.638	0.634	0.722	0.720	0.657	7.94
54)		1,2-dichlorobenzene	0.631	0.583	0.615	0.578	0.658	0.661	0.621	5.76
55)		1,2,4-trichlorobenz	0.135	0.107	0.119	0.122	0.145	0.152	0.130	12.90

56)	hexachlorobutadiene	0.198	0.190	0.192	0.182	0.188	0.174	0.187	4.47

(#) = Out of Range

TO151.M Fri Nov 16 18:42:25 2007

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\2.D
Acq On : 6 Mar 2007 4:19 am
Sample : 2.5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 16 19:17 2007

Vial: 2
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO151.RES

Quant Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Qvalue	Dev(Min)
19) Bromochloromethane	12.61	128	26027581	50.00	ppb			0.02
28) 1,4 Difluorobenzene	14.84	114	83493996	50.00	ppb			0.01
40) Chlorobenzene-D5	20.56	117	70505029	50.00	ppb			0.01
System Monitoring Compounds								
47) 4-bromofluorobenzene	23.16	95	40644127	48.17	ppb			0.01
Target Compounds								
1) dichlorodifluoromethane	5.35	85	5066512	2.46	ppb	#	36	
2) chloromethane	5.86	52	698597	2.36	ppb	#	26	
3) 1,2-dichlorotetrafluoroeth	5.71	85	7081085	2.58	ppb		71	
4) vinyl chloride	6.10	62	2355192	2.28	ppb	#	100	
5) 1,3-Butadiene	6.15	54	1509001	2.22	ppb	#	19	
6) bromomethane	6.91	94	2601382	2.17	ppb	#	1	
7) chloroethane	7.22	64	1364031	2.22	ppb		96	
8) trichlorofluoromethane	7.55	101	4703807	2.53	ppb		99	
9) 1,1-dichloroethene	8.66	96	2754031	2.52	ppb		99	
10) methylene chloride	9.81	86	1515641	2.49	ppb	#	1	
11) 1,1,2-trichloro-1,2,2-trif	8.74	101	5631471	2.56	ppb	#	1	
12) MTBE	10.34	73	4318708	2.56	ppb	#	34	
13) 1,1-dichloroethane	11.28	63	4287733	2.66	ppb	#	100	
14) Acetone	9.91	58	1904592	4.24	ppb	#	64	
15) cis-1,2-dichloroethene	12.25	96	2644799	2.54	ppb		92	
16) Hexane	10.26	57	4271676	2.35	ppb	#	76	
17) chloroform	12.71	83	4815384	2.58	ppb		92	
18) 1,2-dichloroethane	11.26	62	163025	1.96	ppb	#	1	
20) Ethyl Acetate	12.89	61	608331	2.38			92	
21) 1,1,1-trichloroethane	13.12	97	4310899	2.59	ppb		87	
22) 2-Butanone	13.12	97	4310899	2.59	ppb		96	
23) Heptane	13.64	71	2682357	2.38	ppb		84	
24) benzene	13.79	78	5859542	2.49	ppb		96	
25) carbon tertrachloride	13.00	119	3825733	2.30	ppb		100	
26) 1,2-dichloropropane	15.80	63	2054979	2.30	ppb	#	100	
27) trichloroethene	14.82	95	5120404	3.48	ppb		55	
29) Bromodichloromethane	15.87	83	4528059	2.58	ppb		73	
30) 1,4-Dioxane	16.29	88	1163175	2.21	ppb	#	39	
31) cis-1,3-dichloropropene	17.05	75	2579141	2.23	ppb		97	
32) trans-1,3-dichloropropene	17.05	75	2579141	2.23	ppb		99	
33) 1,1,2-trichloroethane	18.63	83	1845755	2.33	ppb		97	
34) Dibromochloromethane	19.02	129	4412861	2.39	ppb	#	53	
35) toluene	15.87	92	55062	2.62	ppb	#	17	
36) 1,2-dibromoethane	19.56	107	3249320	2.31	ppb		99	
37) Methyl Butyl Ketone	19.91	58	1625236	2.26	ppb	#	70	
38) Methyl Isobutyl Ketone	18.23	58	1599168	2.36		#	100	
39) tetrachloroethene	18.30	166	4544872	2.51	ppb		95	
41) Chlorobenzene	20.60	112	4408772	2.57	ppb		99	
42) ethylbenzene	20.60	106	2106873	2.48	ppb		98	
43) m+p-xylene	20.90	106	5133769	2.63	ppb		96	
44) styrene	21.94	104	2741315	2.40	ppb		96	
45) o-xylene	21.83	106	2545771	2.49	ppb		86	

(#) = qualifier out of range (m) = manual integration
2.D TO151.M Fri Nov 16 19:17:19 2007

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\2.D Vial: 2
Acq On : 6 Mar 2007 4:19 am Operator: Chris Domaradzki
Sample : 2.5ppb std Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 16 19:17 2007 Quant Results File: TO151.RES

Quant Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,1,2,2-tetrachloroethane	18.63	83	1845755	2.45 ppb		97
48) 4-methyltoluene	23.64	106	530728	2.53 ppb	#	1
49) 1,3,5-trimethylbenzene	23.82	105	4834244	2.59 ppb		91
50) 1,2,4-trimethylbenzene	23.82	105	4835134	2.34 ppb		88
51) 1,3-dichlorobenzene	25.56	146	2551734	2.52 ppb		99
52) 1,4-dichlorobenzene	25.56	146	2551734	2.47 ppb		99
53) Benzyl Chloride	26.32	91	2232142	2.41 ppb	#	47
54) 1,2-dichlorobenzene	26.77	146	2299855	2.63 ppb		90
55) 1,2,4-trichlorobenzene	30.35	180	473649	2.58 ppb		97
56) hexachlorobutadiene	30.21	225	694500	2.63 ppb		97

(#) = qualifier out of range (m) = manual integration

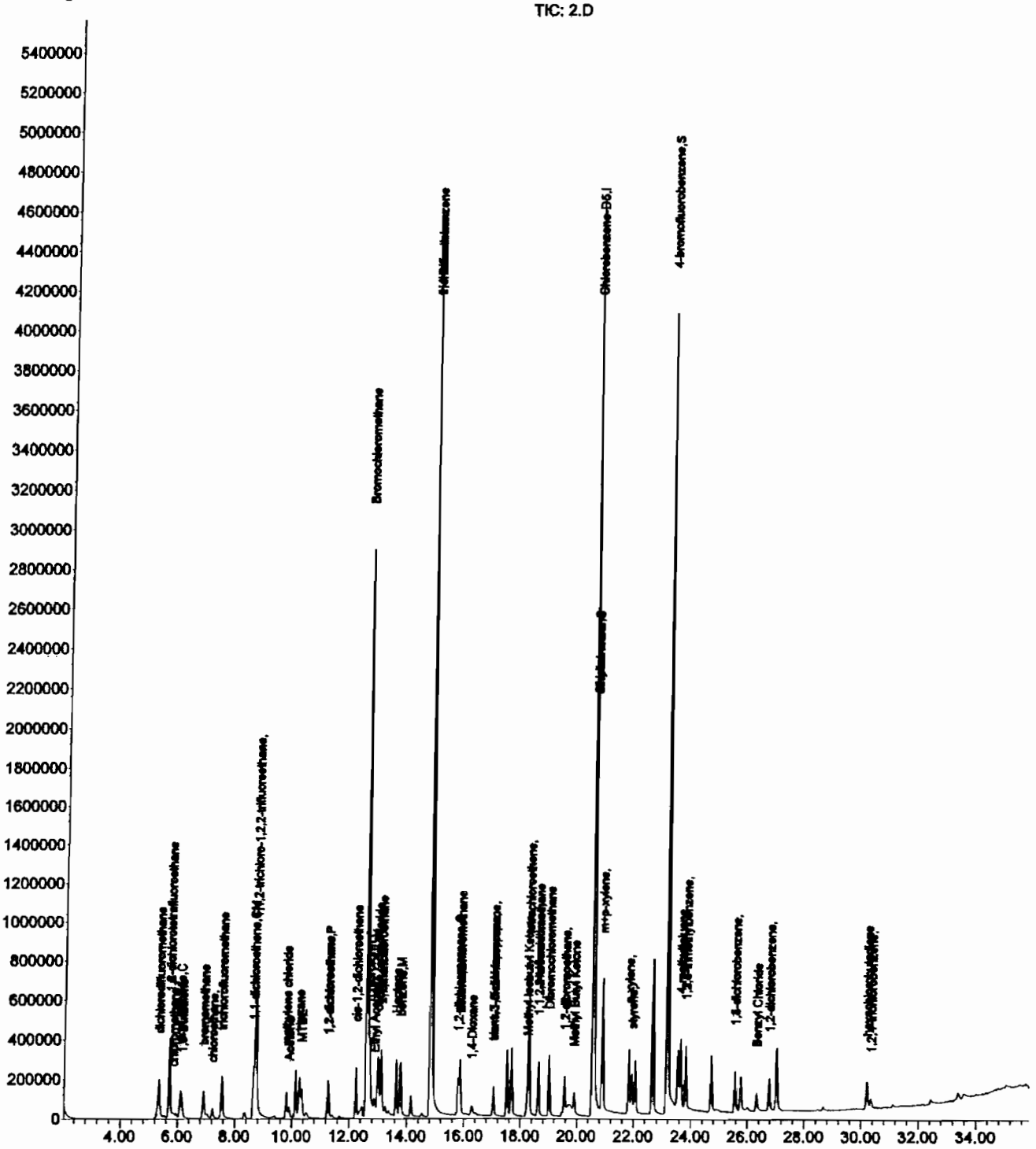
Quantitation Report

Data File : C:\HPCHEM\1\DATA\18\2.D
Acq On : 6 Mar 2007 4:19 am
Sample : 2.5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 16 19:17 2007

Vial: 2
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO151.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 2.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\3.D
Acq On : 6 Mar 2007 5:14 am
Sample : 5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 3
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:00 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.60	128	22710071	50.00 ppb		-0.07
28) 1,4 Difluorobenzene	14.82	114	81526851	50.00 ppb		-0.08
40) Chlorobenzene-D5	20.55	117	71079372	50.00 ppb		-0.09
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.15	95	41743134	50.92 ppb		-0.09
Target Compounds						Qvalue
1) dichlorodifluoromethane	5.33	85	11297811	5.57 ppb	#	34
2) chloromethane	5.84	52	1564602	5.63 ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.70	85	15748724	5.57 ppb		71
4) vinyl chloride	6.08	62	5425258	5.76 ppb	#	100
5) 1,3-Butadiene	6.13	54	3665206	6.07 ppb	#	53
6) bromomethane	6.89	94	6491227	6.24 ppb	#	1
7) chloroethane	7.21	64	3201037	5.51 ppb		100
8) trichlorofluoromethane	7.54	101	10436795	5.95 ppb		99
9) 1,1-dichloroethene	8.64	96	5723079	5.14 ppb		98
10) methylene chloride	9.80	86	2935324	4.84 ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.72	101	12150393	5.42 ppb	#	1
12) MTBE	10.32	73	8984601	5.20 ppb	#	34
13) 1,1-dichloroethane	11.26	63	7388847	4.31 ppb	#	100
14) Acetone	9.89	58	2380135	3.12 ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	4702379	4.44 ppb		94
16) Hexane	10.25	57	9737121	5.70 ppb	#	73
17) chloroform	12.69	83	8989495	4.67 ppb		92
18) 1,2-dichloroethane	11.26	62	341916	6.13 ppb	#	1
20) Ethyl Acetate	12.87	61	1249982	6.25		86
21) 1,1,1-trichloroethane	13.11	97	7785440	5.17 ppb		87
22) 2-Butanone	13.11	97	7785440	5.17 ppb		96
23) Heptane	13.63	71	5555709	5.89 ppb		86
24) benzene	13.77	78	11465016	5.61 ppb		96
25) carbon tertrachloride	12.99	119	8587364	6.46 ppb		99
26) 1,2-dichloropropane	15.78	63	4113682	5.74 ppb	#	100
27) trichloroethene	14.81	95	8018332	4.37 ppb		69
29) Bromodichloromethane	15.86	83	8289661	4.69 ppb		73
30) 1,4-Dioxane	16.25	88	2268900	5.07 ppb	#	46
31) cis-1,3-dichloropropene	17.04	75	5341017	5.30 ppb		99
32) trans-1,3-dichloropropene	17.04	75	5341017	5.30 ppb		99
33) 1,1,2-trichloroethane	18.62	83	3717554	5.08 ppb		95
34) Dibromochloromethane	19.00	129	8701311	4.98 ppb	#	54
35) toluene	15.85	92	97811	4.34 ppb	#	26
36) 1,2-dibromoethane	19.55	107	6588785	5.23 ppb		98
37) Methyl Butyl Ketone	19.89	58	3017952	4.75 ppb	#	72
38) Methyl Isobutyl Ketone	18.22	58	3163388	5.06	#	100
39) tetrachloroethene	18.28	166	8974452	5.07 ppb		96
41) Chlorobenzene	20.59	112	8694737	4.86 ppb		99
42) ethylbenzene	20.59	106	4325972	5.09 ppb		99
43) m+p-xylene	20.88	106	9804346	5.08 ppb		95
44) styrene	21.93	104	5524110	5.00 ppb		97
45) o-xylene	21.82	106	5167317	5.05 ppb		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\3.D
Acq On : 6 Mar 2007 5:14 am
Sample : 5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 3
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:00 2007
Response via : Initial Calibration
DataAcq Meth : TO15

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,1,2,2-tetrachloroethane	18.62	83	3679895	4.86 ppb		97
48)	4-methyltoluene	23.63	106	1038198	5.00 ppb	#	1
49)	1,3,5-trimethylbenzene	23.81	105	9625196	5.10 ppb		91
50)	1,2,4-trimethylbenzene	23.81	105	9625196	4.10 ppb		86
51)	1,3-dichlorobenzene	25.55	146	4725364	4.68 ppb		99
52)	1,4-dichlorobenzene	25.55	146	4879834	4.71 ppb		100
53)	Benzyl Chloride	26.31	91	4219693	4.68 ppb	#	46
54)	1,2-dichlorobenzene	26.76	146	4144724	4.62 ppb		94
55)	1,2,4-trichlorobenzene	30.35	180	760611	3.97 ppb	#	78
56)	hexachlorobutadiene	30.20	225	1353479	4.81 ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

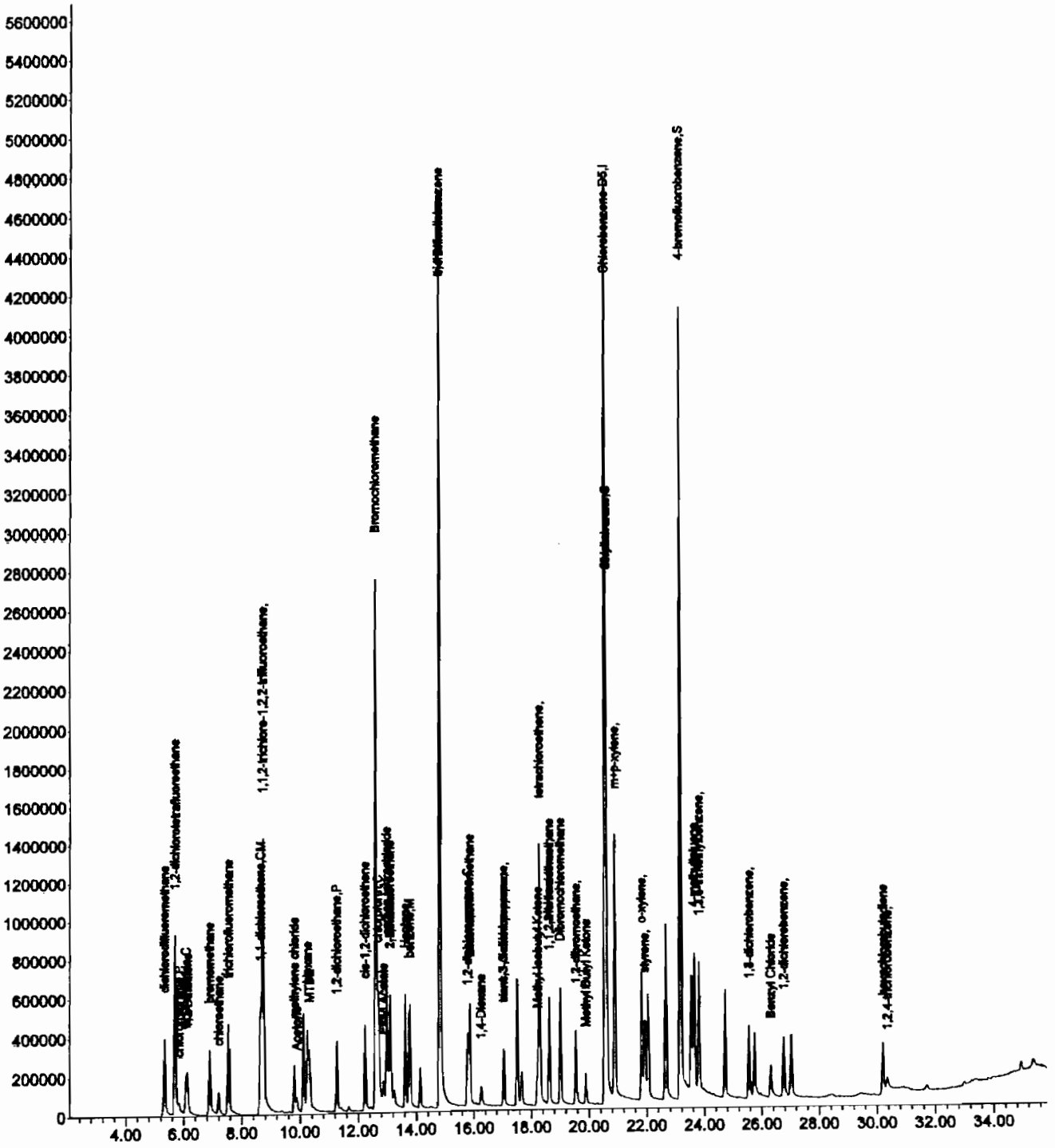
Data File : C:\HPCHEM\1\DATA\18\3.D
Acq On : 6 Mar 2007 5:14 am
Sample : 5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 3
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 3.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\4.D
Acq On : 6 Mar 2007 6:08 am
Sample : 10ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 4
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:01 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.59	128	22674640	50.00	ppb		-0.08
28) 1,4 Difluorobenzene	14.82	114	80519165	50.00	ppb		-0.08
40) Chlorobenzene-D5	20.55	117	70854514	50.00	ppb		-0.09
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.15	95	42370629	51.37	ppb		-0.09
Target Compounds							Qvalue
1) dichlorodifluoromethane	5.33	85	22221157	10.37	ppb	#	36
2) chloromethane	5.83	52	3036555	10.28	ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.69	85	29530686	9.88	ppb		72
4) vinyl chloride	6.07	62	10683905	10.54	ppb	#	100
5) 1,3-Butadiene	6.13	54	6950614	8.81	ppb	#	54
6) bromomethane	6.89	94	12392571	10.60	ppb	#	1
7) chloroethane	7.20	64	6255340	10.24	ppb		99
8) trichlorofluoromethane	7.53	101	19277475	10.04	ppb		100
9) 1,1-dichloroethene	8.64	96	10969356	9.72	ppb		98
10) methylene chloride	9.79	86	5992354	10.04	ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.72	101	22946679	9.83	ppb	#	1
12) MTBE	10.31	73	17926611	10.17	ppb	#	34
13) 1,1-dichloroethane	11.26	63	16055254	10.06	ppb	#	100
14) Acetone	9.88	58	4688903	7.58	ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	9709975	9.72	ppb		93
16) Hexane	10.25	57	18890757	9.19	ppb	#	73
17) chloroform	12.69	83	19025769	10.22	ppb		92
18) 1,2-dichloroethane	11.26	62	763267	12.29	ppb	#	1
20) Ethyl Acetate	12.87	61	2581851	9.45			87
21) 1,1,1-trichloroethane	13.11	97	15727007	10.29	ppb	#	85
22) 2-Butanone	13.11	97	15727007	9.95	ppb		94
23) Heptane	13.62	71	10919665	9.20	ppb		86
24) benzene	13.77	78	23428899	10.82	ppb		96
25) carbon tertrachloride	12.98	119	16685210	10.97	ppb		100
26) 1,2-dichloropropane	15.78	63	8644640	11.25	ppb	#	100
27) trichloroethene	14.80	95	14113524	8.22	ppb		81
29) Bromodichloromethane	15.86	83	17418798	11.04	ppb		74
30) 1,4-Dioxane	16.24	88	4846149	10.73	ppb	#	44
31) cis-1,3-dichloropropene	17.04	75	11383517	11.11	ppb		100
32) trans-1,3-dichloropropene	17.04	75	11383517	11.11	ppb		100
33) 1,1,2-trichloroethane	18.62	83	7760927	10.65	ppb		97
34) Dibromochloromethane	19.00	129	18216465	10.62	ppb	#	53
35) toluene	15.86	92	204713	9.85	ppb	#	28
36) 1,2-dibromoethane	19.55	107	13628156	10.71	ppb		97
37) Methyl Butyl Ketone	19.88	58	6771386	11.71	ppb	#	70
38) Methyl Isobutyl Ketone	18.21	58	6751299	10.73		#	100
39) tetrachloroethene	18.28	166	18024884	10.24	ppb		95
41) Chlorobenzene	20.59	112	18192855	10.35	ppb		99
42) ethylbenzene	20.59	106	8773582	10.26	ppb		98
43) m+p-xylene	20.88	106	20374094	10.51	ppb		94
44) styrene	21.93	104	11699070	10.62	ppb		95
45) o-xylene	21.82	106	10618745	10.36	ppb		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\4.D
Acq On : 6 Mar 2007 6:08 am
Sample : 10ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 4
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:01 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,1,2,2-tetrachloroethane	18.62	83	7728100	10.39 ppb		98
48) 4-methyltoluene	23.63	106	2104874	10.17 ppb	#	1
49) 1,3,5-trimethylbenzene	23.81	105	19656149	10.35 ppb		92
50) 1,2,4-trimethylbenzene	23.81	105	19656149	9.23 ppb		87
51) 1,3-dichlorobenzene	25.55	146	9960844	10.22 ppb		99
52) 1,4-dichlorobenzene	25.55	146	10257082	10.23 ppb		100
53) Benzyl Chloride	26.31	91	9034406	11.17 ppb	#	47
54) 1,2-dichlorobenzene	26.76	146	8718343	10.14 ppb		96
55) 1,2,4-trichlorobenzene	30.35	180	1692039	9.88 ppb		98
56) hexachlorobutadiene	30.20	225	2717825	9.88 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

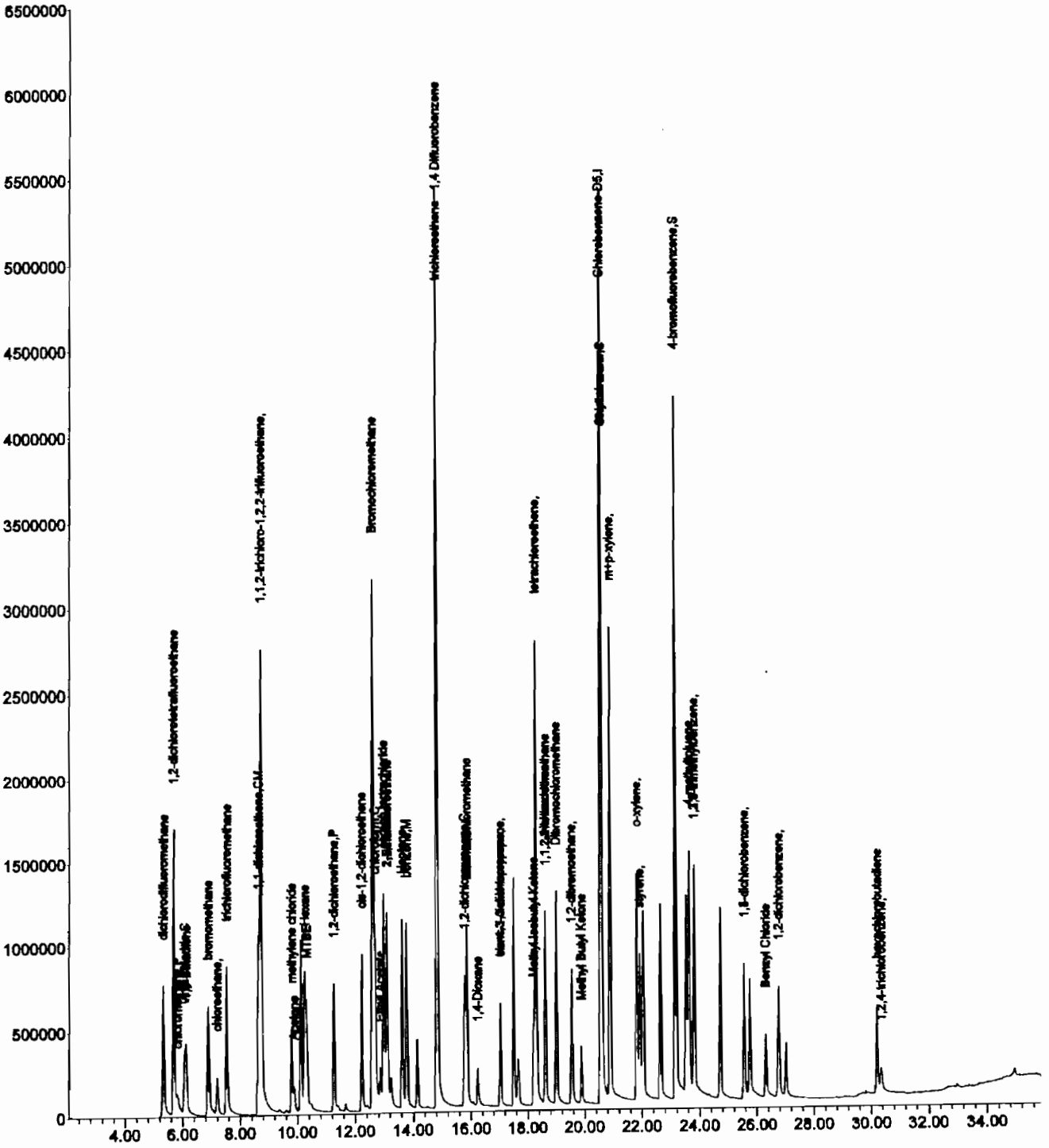
Data File : C:\HPCHEM\1\DATA\18\4.D
Acq On : 6 Mar 2007 6:08 am
Sample : 10ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 4
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 4.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\5.D
Acq On : 6 Mar 2007 7:03 am
Sample : 20ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 5
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:02 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.59	128	24730221	50.00	ppb		-0.08
28) 1,4 Difluorobenzene	14.82	114	82177159	50.00	ppb		-0.08
40) Chlorobenzene-D5	20.55	117	74133354	50.00	ppb		-0.09
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.15	95	44503828	51.11	ppb		-0.09
Target Compounds							Qvalue
1) dichlorodifluoromethane	5.32	85	41374694	19.07	ppb	#	36
2) chloromethane	5.83	52	5674695	19.04	ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.69	85	55322611	18.58	ppb		74
4) vinyl chloride	6.07	62	20251869	19.63	ppb	#	100
5) 1,3-Butadiene	6.13	54	13259326	18.71	ppb	#	53
6) bromomethane	6.89	94	23555438	19.75	ppb	#	1
7) chloroethane	7.20	64	11851688	19.25	ppb		99
8) trichlorofluoromethane	7.53	101	37035262	19.26	ppb		100
9) 1,1-dichloroethene	8.63	96	20907460	18.70	ppb		100
10) methylene chloride	9.79	86	11686955	19.56	ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.71	101	43955122	18.93	ppb	#	1
12) MTBE	10.30	73	32572854	18.38	ppb	#	34
13) 1,1-dichloroethane	11.26	63	31171840	19.49	ppb	#	100
14) Acetone	9.88	58	8323398	14.63	ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	19457604	19.66	ppb		91
16) Hexane	10.25	57	36167291	18.88	ppb	#	73
17) chloroform	12.69	83	37096660	19.78	ppb		92
18) 1,2-dichloroethane	11.24	62	620911	9.29	ppb	#	1
20) Ethyl Acetate	12.86	61	4482276	15.49			92
21) 1,1,1-trichloroethane	13.11	97	30722850	18.25	ppb		85
22) 2-Butanone	13.11	97	30722850	17.80	ppb		95
23) Heptane	13.62	71	21238465	17.49	ppb		86
24) benzene	13.77	78	44416979	18.31	ppb		96
25) carbon tertrachloride	12.98	119	31813396	18.58	ppb		100
26) 1,2-dichloropropane	15.78	63	16354846	18.74	ppb	#	100
27) trichloroethene	14.80	95	26905225	15.27	ppb		85
29) Bromodichloromethane	15.86	83	34278863	19.27	ppb		74
30) 1,4-Dioxane	16.23	88	9620163	19.17	ppb	#	40
31) cis-1,3-dichloropropene	17.04	75	22204950	20.48	ppb		100
32) trans-1,3-dichloropropene	17.04	75	22204950	20.48	ppb		100
33) 1,1,2-trichloroethane	18.62	83	14915626	19.63	ppb		98
34) Dibromochloromethane	19.00	129	36471180	19.44	ppb	#	53
35) toluene	15.85	92	357019	16.91	ppb	#	1
36) 1,2-dibromoethane	19.55	107	26947184	20.27	ppb		97
37) Methyl Butyl Ketone	19.87	58	14090544	20.11	ppb	#	70
38) Methyl Isobutyl Ketone	18.20	58	13404890	19.18		#	100
39) tetrachloroethene	18.28	166	36259914	20.02	ppb		95
41) Chlorobenzene	20.59	112	35124514	18.88	ppb		98
42) ethylbenzene	20.59	106	16792174	18.61	ppb		99
43) m+p-xylene	20.88	106	38752420	18.78	ppb		88
44) styrene	21.93	104	23054177	19.59	ppb		94
45) o-xylene	21.82	106	20295235	18.70	ppb		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\5.D
Acq On : 6 Mar 2007 7:03 am
Sample : 20ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 5
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:02 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,1,2,2-tetrachloroethane	18.62	83	14912564	18.91 ppb		99
48) 4-methyltoluene	23.63	106	4141469	19.02 ppb	#	1
49) 1,3,5-trimethylbenzene	23.81	105	38056213	18.93 ppb		91
50) 1,2,4-trimethylbenzene	23.63	105	47655308	21.96 ppb	#	76
51) 1,3-dichlorobenzene	25.55	146	20259285	19.72 ppb		99
52) 1,4-dichlorobenzene	25.55	146	20714680	19.59 ppb		100
53) Benzyl Chloride	26.31	91	18796977	19.85 ppb	#	45
54) 1,2-dichlorobenzene	26.76	146	17126094	18.95 ppb		97
55) 1,2,4-trichlorobenzene	30.34	180	3627869	20.33 ppb		99
56) hexachlorobutadiene	30.20	225	5395319	18.82 ppb		96

(#) = qualifier out of range (m) = manual integration

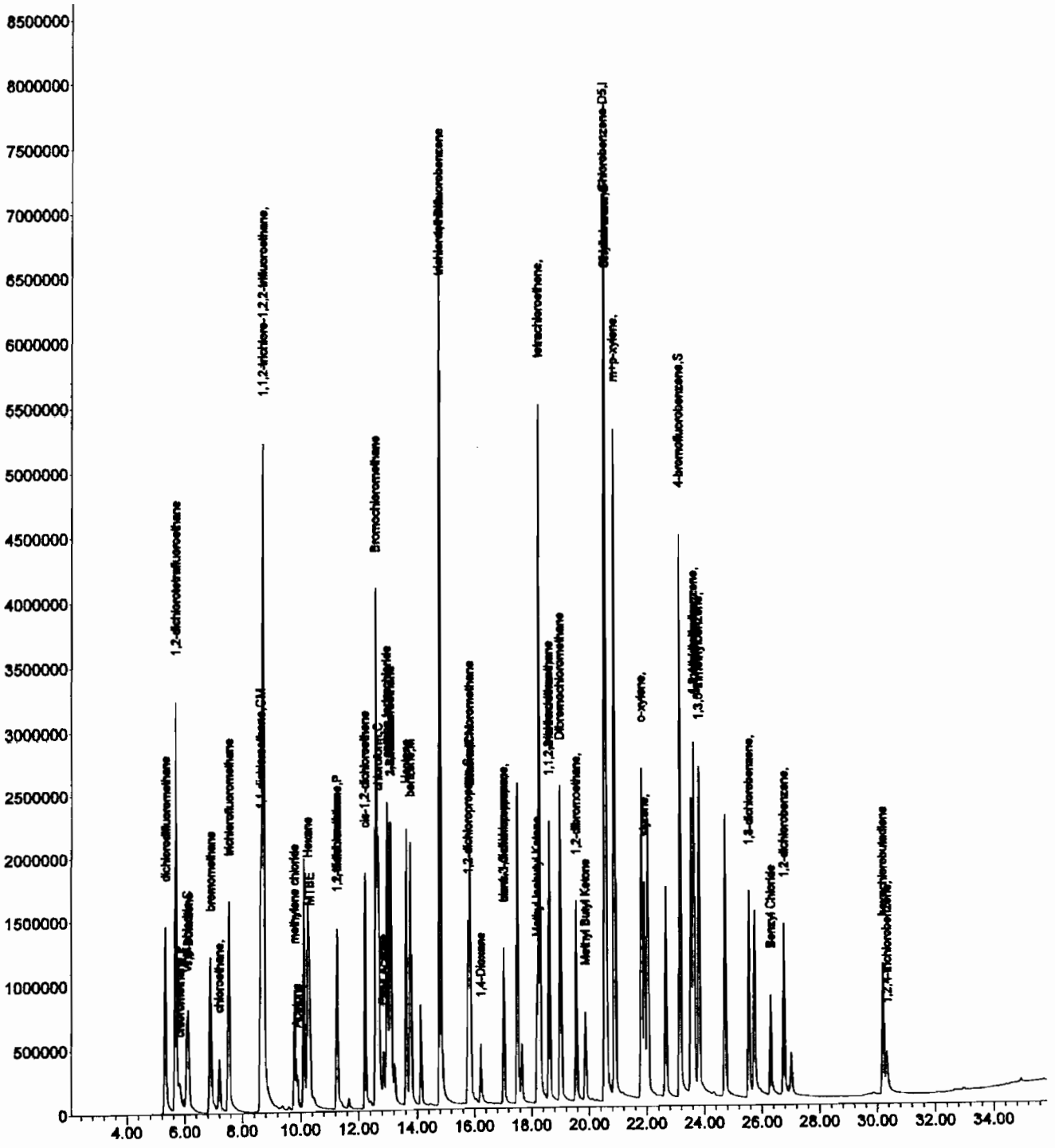
Data File : C:\HPCHEM\1\DATA\18\5.D
Acq On : 6 Mar 2007 7:03 am
Sample : 20ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 5
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 5.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\6.D
Acq On : 6 Mar 2007 7:59 am
Sample : 40ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 6
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:03 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.60	128	26498948	50.00 ppb		0.00
28) 1,4 Difluorobenzene	14.83	114	82727843	50.00 ppb		0.00
40) Chlorobenzene-D5	20.55	117	75279347	50.00 ppb		0.00
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.15	95	46066624	51.81 ppb		0.00
Target Compounds						Qvalue
1) dichlorodifluoromethane	5.32	85	81529956	38.02 ppb	#	33
2) chloromethane	5.82	52	11740552	39.87 ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.69	85	105343047	36.02 ppb		78
4) vinyl chloride	6.07	62	41979204	40.87 ppb	#	100
5) 1,3-Butadiene	6.13	54	27508763	41.38 ppb	#	54
6) bromomethane	6.89	94	48696062	40.96 ppb	#	1
7) chloroethane	7.20	64	24689355	40.48 ppb		98
8) trichlorofluoromethane	7.53	101	74705977	39.22 ppb		98
9) 1,1-dichloroethene	8.63	96	43567695	39.61 ppb		99
10) methylene chloride	9.79	86	25015702	42.10 ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.71	101	86531652	37.77 ppb	#	1
12) MTBE	10.30	73	66289894	38.18 ppb	#	34
13) 1,1-dichloroethane	11.26	63	68591097	43.16 ppb	#	100
14) Acetone	9.88	58	17195740	32.40 ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	45459143	46.12 ppb		93
16) Hexane	10.25	57	73407714	40.50 ppb	#	74
17) chloroform	12.69	83	78950099	42.21 ppb		89
18) 1,2-dichloroethane	11.26	62	3557676	61.45 ppb	#	16
20) Ethyl Acetate	12.87	61	10142126	41.81		84
21) 1,1,1-trichloroethane	13.11	97	67741718	38.39 ppb	#	83
22) 2-Butanone	13.11	97	67741718	41.17 ppb		93
23) Heptane	13.63	71	44158039	38.63 ppb		86
24) benzene	13.78	78	94367683	37.08 ppb		99
25) carbon tertrachloride	12.99	119	65014673	36.07 ppb		99
26) 1,2-dichloropropane	15.79	63	36042735	39.15 ppb	#	100
27) trichloroethene	14.80	95	54763329	30.83 ppb		90
29) Bromodichloromethane	15.86	83	74847455	43.27 ppb		70
30) 1,4-Dioxane	16.23	88	20936052	42.83 ppb	#	41
31) cis-1,3-dichloropropene	17.04	75	50907572	46.35 ppb		99
32) trans-1,3-dichloropropene	17.04	75	50907572	46.35 ppb		99
33) 1,1,2-trichloroethane	18.62	83	33400928	43.87 ppb		97
34) Dibromochloromethane	19.01	129	81103603	43.90 ppb	#	55
35) toluene	15.86	92	857369	41.96 ppb	#	19
36) 1,2-dibromoethane	19.55	107	62087277	46.24 ppb		97
37) Methyl Butyl Ketone	19.87	58	31868839	44.35 ppb	#	70
38) Methyl Isobutyl Ketone	18.21	58	28845376	42.36	#	100
39) tetrachloroethene	18.29	166	76320350	41.84 ppb		98
41) Chlorobenzene	20.59	112	76214812	40.91 ppb		92
42) ethylbenzene	20.59	106	37452931	41.59 ppb		79
43) m+p-xylene	20.89	106	87519186	42.42 ppb	#	71
44) styrene	21.93	104	52619863	44.27 ppb		94
45) o-xylene	21.82	106	45061913	41.57 ppb		79

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\6.D
Acq On : 6 Mar 2007 7:59 am
Sample : 40ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 6
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:03 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,1,2,2-tetrachloroethane	18.62	83	33400928	42.29 ppb		98
48) 4-methyltoluene	23.64	106	9175855	42.01 ppb	#	1
49) 1,3,5-trimethylbenzene	23.81	105	82488630	40.95 ppb		86
50) 1,2,4-trimethylbenzene	23.64	105	95799465	42.43 ppb	#	82
51) 1,3-dichlorobenzene	25.55	146	47118308	45.33 ppb		99
52) 1,4-dichlorobenzene	25.55	146	47118308	44.11 ppb		99
53) Benzyl Chloride	26.31	91	43492577	45.36 ppb	#	47
54) 1,2-dichlorobenzene	26.76	146	39603300	43.72 ppb		98
55) 1,2,4-trichlorobenzene	30.33	180	8725066	47.95 ppb		98
56) hexachlorobutadiene	30.20	225	11344490	39.56 ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

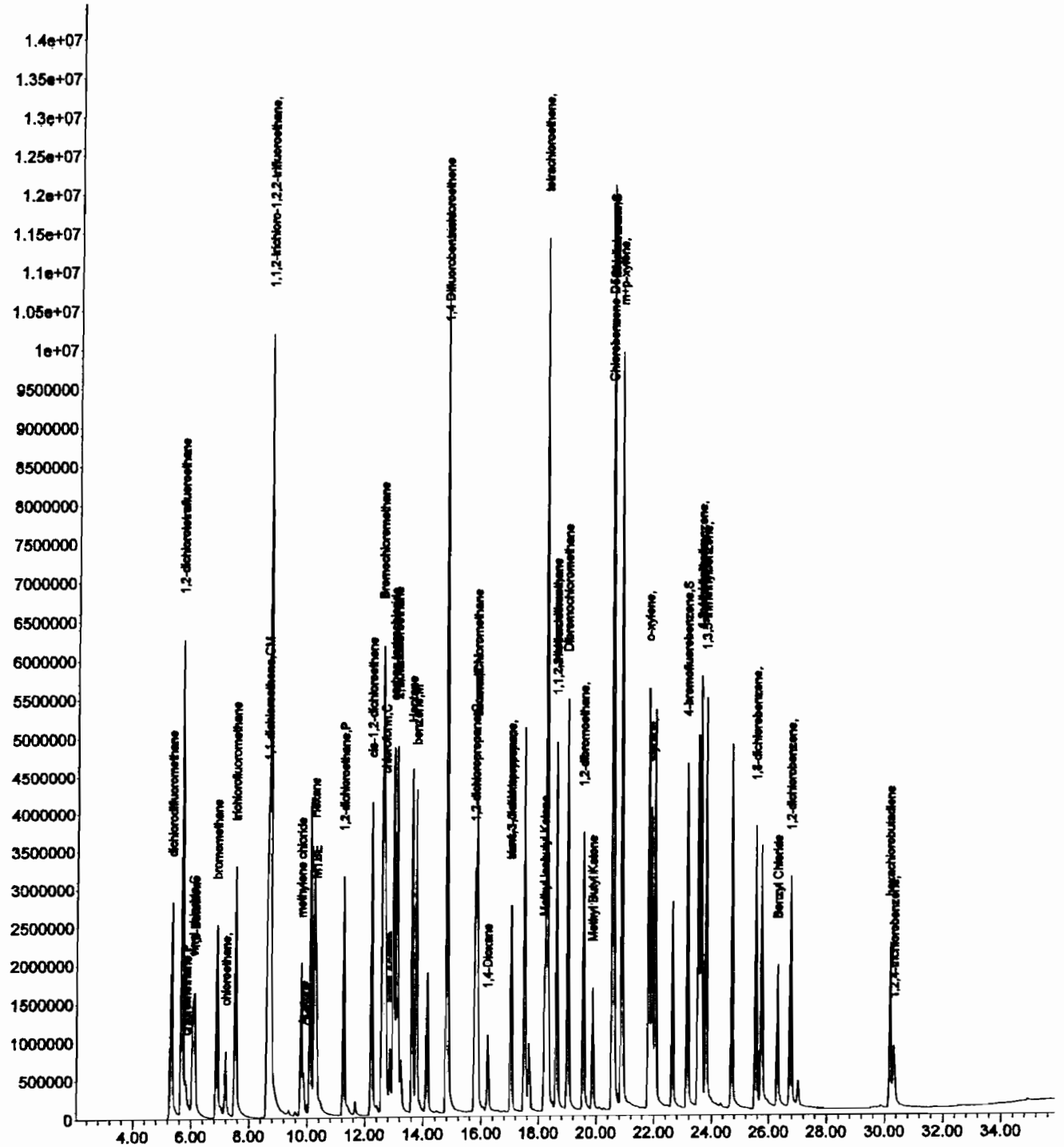
Data File : C:\HPCHEM\1\DATA\18\6.D
Acq On : 6 Mar 2007 7:59 am
Sample : 40ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 6
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 6.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\7.D Vial: 7
Acq On : 6 Mar 2007 8:58 am Operator: Chris Domaradzki
Sample : 80ppb std Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:04 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
19) Bromochloromethane	12.59	128	28705795	50.00 ppb	0.00
28) 1,4 Difluorobenzene	14.82	114	87786938	50.00 ppb	0.00
40) Chlorobenzene-D5	20.55	117	79488377	50.00 ppb	0.00
System Monitoring Compounds					
47) 4-bromofluorobenzene	23.15	95	48991301	51.81 ppb	0.00
Target Compounds					Qvalue
1) dichlorodifluoromethane	5.32	85	140301173	66.09 ppb #	18
2) chloromethane	5.82	52	24242736	82.37 ppb #	26
3) 1,2-dichlorotetrafluoroeth	5.68	85	172382079	60.14 ppb	87
4) vinyl chloride	6.06	62	83929420	81.36 ppb #	100
5) 1,3-Butadiene	6.12	54	56152304	82.00 ppb #	55
6) bromomethane	6.88	94	96738322	80.98 ppb #	1
7) chloroethane	7.19	64	50526092	82.65 ppb	98
8) trichlorofluoromethane	7.52	101	135054985	71.17 ppb	91
9) 1,1-dichloroethene	8.63	96	85432248	77.82 ppb	96
10) methylene chloride	9.79	86	52443274	87.34 ppb #	1
11) 1,1,2-trichloro-1,2,2-trif	8.71	101	149067893	65.80 ppb #	1
12) MTBE	10.30	73	122238757	71.04 ppb #	34
13) 1,1-dichloroethane	11.26	63	129013877	79.92 ppb #	100
14) Acetone	9.88	58	36494765	71.48 ppb #	64
15) cis-1,2-dichloroethene	12.23	96	92538250	91.10 ppb	88
16) Hexane	10.25	57	136992344	74.87 ppb #	79
17) chloroform	12.69	83	138449087	73.21 ppb #	80
18) 1,2-dichloroethane	11.26	62	7988848	124.62 ppb #	17
20) Ethyl Acetate	12.87	61	20985246	77.49	92
21) 1,1,1-trichloroethane	13.11	97	122711663	64.72 ppb #	76
22) 2-Butanone	13.11	97	122711663	67.42 ppb	86
23) Heptane	13.63	71	83671046	70.23 ppb	88
24) benzene	13.77	78	160676622	59.15 ppb #	83
25) carbon tertrachloride	12.99	119	116619793	60.92 ppb	98
26) 1,2-dichloropropane	15.79	63	76114027	76.65 ppb #	100
27) trichloroethene	14.80	95	100543280	54.76 ppb	88
29) Bromodichloromethane	15.86	83	134392674	68.09 ppb #	59
30) 1,4-Dioxane	16.23	88	44522665	80.29 ppb #	32
31) cis-1,3-dichloropropene	17.04	75	103805117	86.33 ppb	92
32) trans-1,3-dichloropropene	17.04	75	103805117	86.33 ppb	92
33) 1,1,2-trichloroethane	18.62	83	71017968	86.23 ppb	94
34) Dibromochloromethane	19.01	129	143645628	67.12 ppb #	61
35) toluene	15.86	92	1864358	85.16 ppb #	17
36) 1,2-dibromoethane	19.55	107	123437010	84.01 ppb	96
37) Methyl Butyl Ketone	19.87	58	68750601	81.25 ppb #	72
38) Methyl Isobutyl Ketone	18.21	58	56386365	73.81 #	100
39) tetrachloroethene	18.29	166	132856654	68.02 ppb	96
41) Chlorobenzene	20.59	112	138008977	69.84 ppb #	67
42) ethylbenzene	20.60	106	77228730	80.58 ppb #	47
43) m+p-xylene	20.60	106	77777590	35.28 ppb	92
44) styrene	21.93	104	104857044	81.80 ppb	99
45) o-xylene	21.83	106	91820938	79.60 ppb #	60

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\7.D Vial: 7
Acq On : 6 Mar 2007 8:58 am Operator: Chris Domaradzki
Sample : 80ppb std Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:16:04 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,1,2,2-tetrachloroethane	18.62	83	71017968	84.19 ppb		95
48) 4-methyltoluene	23.64	106	20121611	86.37 ppb	#	1
49) 1,3,5-trimethylbenzene	23.64	105	153485447	71.82 ppb		94
50) 1,2,4-trimethylbenzene	23.64	105	152829734	63.34 ppb		99
51) 1,3-dichlorobenzene	25.55	146	98034250	87.00 ppb		92
52) 1,4-dichlorobenzene	25.55	146	98034250	85.17 ppb		93
53) Benzyl Chloride	26.30	91	91525910	80.08 ppb	#	49
54) 1,2-dichlorobenzene	26.76	146	84071911	86.29 ppb		98
55) 1,2,4-trichlorobenzene	30.32	180	19272498	96.47 ppb		98
56) hexachlorobutadiene	30.19	225	22109889	73.18 ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

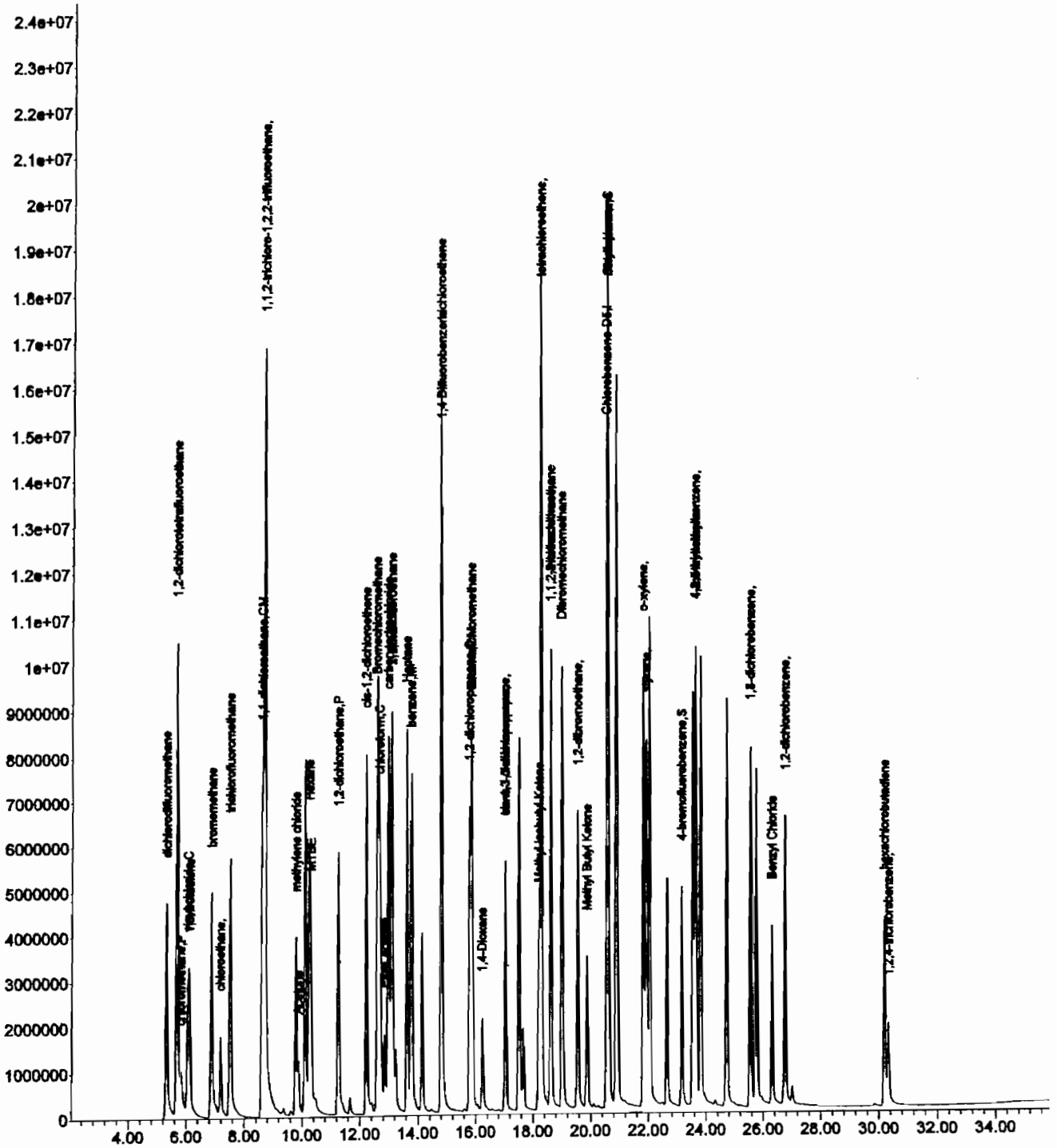
Data File : C:\HPCHEM\1\DATA\18\7.D
Acq On : 6 Mar 2007 8:58 am
Sample : 80ppb std
Misc :
MS Integration Params: events.e
Quant Time: Mar 24 6:16 2007

Vial: 7
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

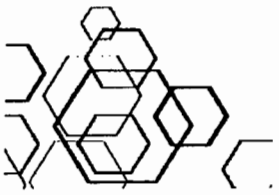
Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 7.D



UNITED CHEMISTS

Raw Data



59-8 Central Avenue
Farmingdale, NY 11735
516.662.5038 (cell)
631.414.7661 (fax)

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\27\4.D
Acq On : 18 Mar 2007 9:25 am
Sample : FS-1 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 16 18:50 2007

Vial: 4
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
19) Bromochloromethane	12.85	128	34665614m	50.00 ppb	0.26
28) 1,4 Difluorobenzene	15.13	114	123910155	50.00 ppb	0.31
40) Chlorobenzene-D5	18.00	117	3210978m	50.00 ppb	-2.55
System Monitoring Compounds					
47) 4-bromofluorobenzene	21.14	95	2094014m	54.49 ppb	-2.02
Target Compounds					Qvalue
23) Heptane	13.80	71	563615	Below Cal	# 1
29) Bromodichloromethane	16.35	83	952522	Below Cal	# 30
39) tetrachloroethene	18.50	166	5676590	2.10 ppb	96

(#) = qualifier out of range (m) = manual integration
4.D TO151.M Fri Nov 16 18:50:12 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\27\5.D Vial: 5
Acq On : 18 Mar 2007 10:58 am Operator: Chris Domaradzki
Sample : FS-1 Indoor Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 16 18:52 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.61	128	38146257	50.00 ppb		0.02
28) 1,4 Difluorobenzene	14.84	114	118693107	50.00 ppb		0.02
40) Chlorobenzene-D5	20.57	117	103960210	50.00 ppb		0.01
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.17	95	62442277	50.18 ppb		0.02
Target Compounds						Qvalue
16) Hexane	10.27	57	517036	Below Cal		87
20) Ethyl Acetate	12.92	61	89793	Below Cal	#	10
22) 2-Butanone	13.13	97	504521	Below Cal		89
23) Heptane	13.64	71	361077	Below Cal	#	72
29) Bromodichloromethane	15.88	83	581965	Below Cal		79
34) Dibromochloromethane	19.02	129	666343	Below Cal	#	44
38) Methyl Isobutyl Ketone	18.31	58	168368	Below Cal	#	100

(#) = qualifier out of range (m) = manual integration
5.D TO151.M Fri Nov 16 18:52:45 2007

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\27\6.D Vial: 6
Acq On : 18 Mar 2007 12:16 pm Operator: Chris Domaradzki
Sample : FS-2 Subslab Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Mar 24 13:28 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.63	128	30880124	50.00 ppb		0.04
28) 1,4 Difluorobenzene	14.86	114	109963482	50.00 ppb		0.03
40) Chlorobenzene-D5	20.58	117	96587580	50.00 ppb		0.03
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.19	95	52570130	45.48 ppb		0.04
Target Compounds						Qvalue
16) Hexane	10.28	57	602236	Below Cal		84
20) Ethyl Acetate	13.14	61	192512	Below Cal	#	5
22) 2-Butanone	13.14	97	444894	Below Cal		94
23) Heptane	13.66	71	310880	Below Cal	#	72
29) Bromodichloromethane	15.88	83	507180	Below Cal		86
34) Dibromochloromethane	19.04	129	518648	Below Cal	#	53
38) Methyl Isobutyl Ketone	18.45	58	8929	Below Cal	#	100

(#) = qualifier out of range (m) = manual integration
6.D TO151.M Fri Nov 16 18:54:43 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\27\7.D Vial: 7
Acq On : 18 Mar 2007 1:05 pm Operator: Chris Domaradzki
Sample : FS-2 INDOOR Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Mar 24 13:27 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.67	128	30757172	50.00 ppb		0.08
28) 1,4 Difluorobenzene	14.91	114	122091508	50.00 ppb		0.08
40) Chlorobenzene-D5	20.67	117	20342807	50.00 ppb		0.12
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.18	95	52499571	44.98 ppb		0.03
Target Compounds						Qvalue
16) Hexane	10.32	57	14007113	7.23 ppb		97
20) Ethyl Acetate	13.04	61	121890	Below Cal	#	5
22) 2-Butanone	13.17	97	429833	Below Cal	#	20
23) Heptane	13.73	71	1823193	Below Cal	#	1
34) Dibromochloromethane	19.13	129	480971	Below Cal	#	56

(#) = qualifier out of range (m) = manual integration
7.D TO151.M Fri Nov 16 18:56:12 2007

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\27\8.D Vial: 3
Acq On : 18 Mar 2007 1:57 pm Operator: Chris Domaradzki
Sample : OA-2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 16 18:59 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.71	128	31287777	50.00 ppb		0.12
28) 1,4 Difluorobenzene	14.96	114	110838018	50.00 ppb		0.14
40) Chlorobenzene-D5	20.68	117	37376995	50.00 ppb		0.13
System Monitoring Compounds						
47) 4-bromofluorobenzene	20.38	95	23481743m	52.49 ppb		-2.77
Target Compounds						Qvalue
16) Hexane	10.35	57	794009	7.23		88
20) Ethyl Acetate	13.21	61	148797	Below Cal	#	5
22) 2-Butanone	13.21	97	435096	Below Cal		98
23) Heptane	13.77	71	392140	Below Cal		81
29) Bromodichloromethane	15.99	83	440606	Below Cal	#	64
34) Dibromochloromethane	19.17	129	382634	Below Cal	#	50

(#) = qualifier out of range (m) = manual integration
3.D TO151.M Fri Nov 16 19:11:33 2007

United Chemists

59-8 Central Avenue, Farmingdale, NY 11735
Phone - (516) 662-5038

NYS Lab ID # 11866

06/28/2007

Client: Walden Associates
16 Spring Street
Oyster Bay, NY 11771

Project: SPGL100

Laboratory Identifier: 0703619
Received: 03/15/2007

Respectfully submitted,

C. Domanowski

Laboratory Director

United Chemists

59-8 Central Avenue, Farmingdale, NY 11735
Phone - (516) 662-5038

NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-1
Client Sample ID: MS-5 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 11:50

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	17.7	4.07	
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	52.2	10.6	
100-41-4	Ethylbenzene	1.74	11.2	2.57	
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	39.9	9.17	
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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Phone - (516) 662-5038

NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-1
Client Sample ID: MS-5 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 11:50

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	51.4	5.91	
108-67-8	1,3,5-Trimethylbenzene	2.24	16.7	3.39	
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-2
Client Sample ID: MS-5 Subslab
Collected: 03/14/2007 11:50
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	1.32	0.30	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-2
Client Sample ID: MS-5 Subslab
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 11:50

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	410	60.3	
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-3
Client Sample ID: MS-6 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 11:42

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	1.32	0.30	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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59-8 Central Avenue, Farmingdale, NY 11735
Phone - (516) 662-5038

NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-3
Client Sample ID: MS-6 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 11:42

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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59-8 Central Avenue, Farmingdale, NY 11735
Phone - (516) 662-5038

NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-4
Client Sample ID: MS-6 Subslab
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 11:42

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	11.4	2.12	
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	1.32	0.30	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-4
Client Sample ID: MS-6 Subslab
Collected: 03/14/2007 11:42
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	151	22.2	
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-5
Client Sample ID: OA-1 Outdoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Type: Grab

Collected: 03/14/2007 13:08

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	1.32	0.30	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-5
Client Sample ID: OA-1 Outdoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 13:08

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-6
Client Sample ID: Duplicate 2
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 13:08

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	1.32	0.30	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-6
Client Sample ID: Duplicate 2
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 13:08

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-7
Client Sample ID: MS-1 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 12:27

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	14.0	3.22	
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	48.9	9.93	
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	36.8	8.46	
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-7
Client Sample ID: MS-1 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 12:27

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	38.3	4.40	
108-67-8	1,3,5-Trimethylbenzene	2.24	18.1	3.67	
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-8
Client Sample ID: MS-1 Subslab
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 12:27

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	14.0	3.22	
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	39.2	7.96	
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	29.9	6.87	
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-8
Client Sample ID: MS-1 Subslab Collected: 03/14/2007 12:27
Analyzed Date: 03/20/2007
Matrix: Air Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	39.1	4.49	
108-67-8	1,3,5-Trimethylbenzene	2.24	13.0	2.64	
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-9
Client Sample ID: MS-2 Indoor
Collected: 03/14/2007 12:07
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	1.32	0.30	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-9
Client Sample ID: MS-2 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 12:07

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-10
Client Sample ID: MS-2 Subslab
Collected: 03/14/2007 12:07
Analyzed Date: 03/20/2007
Matrix: Air Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	15.3	3.11	
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	11.5	2.64	
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-10
Client Sample ID: MS-2 Subslab
Collected: 03/14/2007 12:07
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-11
Client Sample ID: Duplicate 1
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 12:07

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	19.3	4.44	
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	57.1	11.6	
100-41-4	Ethylbenzene	1.74	11.4	2.62	
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	43.3	9.95	
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-11
Client Sample ID: Duplicate 1 Collected: 03/14/2007 12:07
Analyzed Date: 03/20/2007
Matrix: Air Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	54.7	6.29	
108-67-8	1,3,5-Trimethylbenzene	2.24	18.8	3.82	
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-12
Client Sample ID: MS-4 Indoor
Collected: 03/14/2007 12:42
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	37.6	8.64	
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-12
Client Sample ID: MS-4 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 12:42

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	91.4	24.2	
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-13
Client Sample ID: MS-4 Subslab
Collected: 03/14/2007 12:42
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	1.32	0.30	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-13
Client Sample ID: MS-4 Subslab
Collected: 03/14/2007 12:42
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-14
Client Sample ID: MS-3 Indoor
Collected: 03/14/2007 12:53
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	1.67	0.38	U
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	3.10	0.63	U
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	1.32	0.30	U
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-14
Client Sample ID: MS-3 Indoor
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 12:53

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	3.59	0.41	U
108-67-8	1,3,5-Trimethylbenzene	2.24	2.24	0.45	U
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-15
Client Sample ID: MS-3 Subslab
Analyzed Date: 03/20/2007
Matrix: Air
Remarks:

Collected: 03/14/2007 12:53

Type: Grab

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
56-23-5	Carbon tetrachloride	1.86	1.86	0.30	U
64-17-5	Ethanol	1.08	1.08	0.57	U
67-63-0	Isopropylalcohol	1.61	1.61	0.45	U
67-64-1	Acetone	1.49	1.49	0.63	U
67-66-3	Chloroform	1.17	1.17	0.24	U
71-43-2	Benzene	0.96	0.96	0.30	U
71-55-6	1,1,1-Trichloroethane	1.63	1.63	0.30	U
74-83-9	Bromomethane	2.28	2.28	0.59	U
75-00-3	Chloroethane	0.61	0.61	0.23	U
75-01-4	Vinylchloride	1.22	1.22	0.48	U
75-09-2	Methylene chloride	1.40	1.40	0.40	U
75-15-0	Carbon disulfide	0.50	0.50	0.16	U
75-27-4	Bromodichloromethane	1.99	1.99	0.30	U
75-34-3	1,1-Dichloroethane	0.84	0.84	0.21	U
75-35-4	1,1-Dichloroethene	0.87	0.87	0.22	U
75-69-4	Trichlorofluoromethane(Freon 11)	1.62	1.62	0.29	U
75-71-8	Dichlorodifluoromethane(Freon 12)	1.67	1.67	0.40	U
76-13-1	1,1,2-Trichlorotrifluoroethane(Freon 113)	1.98	1.98	0.26	U
78-87-5	1,2-Dichloropropane	2.02	2.02	0.44	U
78-93-3	2-Butanone(MEK)	0.92	0.92	0.31	U
79-00-5	1,1,2-Trichloroethane	1.36	1.36	0.25	U
91-20-3	Naphthalene	2.78	2.78	0.26	U
79-01-6	Trichloroethene	1.36	1.36	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	1.06	1.06	0.25	U
87-68-3	Hexachlorobutadiene	4.39	4.39	0.41	U
95-47-6	o-Xylene	1.67	10.8	2.48	
95-50-1	1,2-Dichlorobenzene	4.57	4.57	0.76	U
95-63-6	1,2,4-Trimethylbenzene	3.10	27.5	5.58	
100-41-4	Ethylbenzene	1.74	1.74	0.40	U
100-42-5	Styrene	1.67	1.67	0.39	U
100-44-7	Benzyl chloride	1.73	1.73	0.33	U
106-42-3	4-Methyltoluene	1.32	21.3	4.90	
106-46-7	1,4-Dichlorobenzene	4.45	4.45	0.74	U

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NYS Lab ID # 11866 06/28/2007

Volatile Compounds by EPA Method TO-15

Sample: 0703619-15
Client Sample ID: MS-3 Subslab
Collected: 03/14/2007 12:53
Analyzed Date: 03/20/2007
Matrix: Air
Type: Grab
Remarks:

Analytical Results

Cas No	Analyte	MDL(ug/m3)	Conc(ug/m3)	Conc(ppbV)	Q
106-93-4	1,2-Dibromoethane	1.84	1.84	0.24	U
106-99-0	1,3-Butadiene	1.08	1.08	0.49	U
107-06-2	1,2-Dichloroethane	6.97	6.97	1.72	U
108-10-1	4-Methyl-2-pentanone(MIBK)	4.05	4.05	0.99	U
108-38-3	m+p-Xylene	3.59	29.8	3.42	
108-67-8	1,3,5-Trimethylbenzene	2.24	10.0	2.03	
108-88-3	Toluene	3.28	3.28	0.87	U
108-90-7	Chlorobenzene	1.66	1.66	0.36	U
110-54-3	Hexane	5.86	5.86	1.66	U
123-91-1	1,4-Dioxine	2.06	2.06	0.57	U
124-48-1	Dibromochloromethane	2.71	2.71	0.32	U
127-18-4	Tetrachloroethene	1.74	1.74	0.26	U
141-78-6	Ethylacetate	1.51	1.51	0.42	U
142-82-5	Heptane	1.42	1.42	0.35	U
156-59-2	cis-1,2-Dichloroethene	1.25	1.25	0.31	U
541-73-1	1,3-Dichlorobenzene	1.86	1.86	0.31	U
591-78-6	2-Hexanone(MBK)	1.54	1.54	0.38	U
1634-04-4	Methyl t-butyl ether	2.12	2.12	0.59	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.14	1.14	0.25	U
10061-02-6	trans-1,3-Dichloropropene	1.27	1.27	0.28	U
74-87-3	Chloromethane	1.01	1.01	0.49	U
630-20-6	1,1,1,2-Tetrachloroethane	1.75	1.75	0.41	U
142-28-9	1,3-Dichloropropane	1.73	1.73	0.38	U
120-82-1	1,2,4-Trichlorobenzene	6.21	6.21	0.84	U

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06/28/2007

INORGANIC METHOD QUALIFIERS

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

D - This flag indicates a system monitoring compound diluted out.

E - Reported value is estimated because of the presence of interferences.

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

ORGANIC METHOD QUALIFIERS

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

J - Indicates an estimated value. The concentration reported was detected below Practical Quantitation Limit and the Method Detection Limit (MDL).

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

CoC # 0703619

AIR CANISTER SAMPLES CHAIN OF CUSTODY RECORD

UNITED CHEMISTS
178 forest ave • glen cove, NY 11542
lab.516.801.4591 • cell.516.662.5038

Sampled by: BHS
____ of ____ COC's

Analysis turnaround time:
Standard (specify) ✓
Rush (Specify)

CLIENT CONTACT

Company: Walden Associates
Address: 16 Spring St
City/State/Zip: Oyster Bay, NY 11561
Phone: 516 624 7200
Fax: 516 624 3219

Project name: SPGL100
Site: 1085 Old Country Rd
PO#: SPGL100
Project manager: Kristin Scroope
Phone: 516 624 7200

SAMPLE IDENTIFICATION

Sample Identification	Sample date(s)	Time start	Time stop	Canister vacuum in field, Hg (Start)	Canister vacuum in field, Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other	Sample type: Indoor air	Ambient air	Soil gas	Landfill gas	Other
MS-1 Indoor	3-14-07	1227	1227	>-30	-5		5316	✓						✓				
MS-1 Subslab	↓	1227	1227	>-30	-9		1997	✓								✓		
MS-2 Indoor		1207	1207	>-30	0		1496	✓						✓				
MS-2 Subslab		1207	1207	>-30	0		3591	✓								✓		
Duplicate 1		1207	1207	>-30	-6		5250	✓						✓				

SUBSLAB

Temperature (Fahrenheit)	Interior	Ambient
Start	66°F	51°F
Stop	65°F	53°F

Pressure (inches of Hg) BAROMETRIC PRESSURE	Interior	Ambient
Start		
Stop		

Special Instructions:

Canisters shipped by: ____ Date & time: ____ Canisters received by: C. Domurad 3/15/07
Samples relinquished by: BHS Date & time: 3-15-07 1630 received by: ____
Relinquished by: ____ Date & time: ____ received by: ____

LAB USE ONLY: Shipper name: ____ Opened by: ____ Condition: ____

COC # 0703619

AIR CANISTER SAMPLES CHAIN OF CUSTODY RECORD

UNITED CHEMISTS
178 forest ave • glen cove, NY 11542
lab.516.801.4591 • cell.516.662.5038

Sampled by: BMB
____ of ____ COC's

Analysis turnaround time:
Standard (specify) ✓
Rush (Specify)

CLIENT CONTACT

Company: Walden Associates
Address: 16 Spring Street
City/State/Zip: Oyster Bay, NY 11561
Phone: 516-624-7200
Fax: 516 624 3219

Project name: 3PGL100
Site: 1085 Old Country Rd
PO#: 3PGL100
Project manager: Kristin Scroope
Phone: 516 624 7200

SAMPLE IDENTIFICATION

Sample Identification	Sample date(s)	Time start	Time stop	Canister vacuum in field, Hg (Start)	Canister vacuum in field, Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other	Sample type: Indoor air	Ambient air	Soil gas	Landfill gas	Other
MS-5 Indoor	3-14-07	1150	1150	>-30	-10		3579	✓						✓				
MS-5 Subslab	"	1150	1150	>-30	0		3595	✓								✓		
MS-6 Indoor	"	1142	1142	>-30	0		5362	✓						✓				
MS-6 Subslab	"	1142	1142	>-30	0		3594	✓								✓		
OA-1 Outdoor	"	1308	1308	>-30	0		7269	✓							✓			
Duplicate 2	↓	1308	1308	-30	0		2300	✓							✓			

Temperature (Fahrenheit)	Interior	Ambient
Start	66°F	31°F
Stop	65°F	53°F

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions:

Canisters shipped by: ____
Samples relinquished by: BMB
Relinquished by: ____

Date & time: ____
Date & time: 3-15-07 1630
Date & time: ____

Canisters received by: C. DeMarucchi 3/15/07
received by: ____
received by: ____

LAB USE ONLY: Shipper name: ____ Opened by: ____ Condition: ____

COC# 0703619

AIR CANISTER SAMPLES CHAIN OF CUSTODY RECORD

UNITED CHEMISTS
178 forest ave • glen cove, NY 11542
lab.516.801.4591 • cell.516.662.5038

Sampled by: RM
____ of ____ COC's

Analysis turnaround time:
Standard (specify) ✓
Rush (Specify) ____

CLIENT CONTACT

Company: Walden Associates
Address: 116 Spring Street
City/State/Zip: Oyster Bay, NY 11561
Phone: 516-624-7200
Fax: 516-624-3219

Project name: SPGL100
Site: 1085 Old Country Road
PO#: SPGL100
Project manager: Kristin Snoope
Phone: 516-624-7200

SAMPLE IDENTIFICATION

Sample Identification	Sample date(s)	Time start	Time stop	Canister vacuum in field, Hg (Start)	Canister vacuum in field, Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other	Sample type: Indoor air	Ambient air	Soil gas	Landfill gas	Other
MS-4 indoor	3/14/7	1242	1242	-27	0		3576	✓						✓				
MS-4 subslab	3/14/7	1242	1242	-30	0		1651	✓								✓		
MS-3 indoor	3/14/7	1253	1253	-30	-16		5189	✓						✓				
MS-3 subslab	3/14/7	1253	1253	-28	-1		708	✓								✓		

Temperature (Fahrenheit)	Interior	Ambient
Start	66°F	51°F
Stop	65°F	53°F

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions:

Canisters shipped by: ____ Date & time: ____ Canisters received by: C. Dorman/ZKL 3/15/07
Samples relinquished by: RM Date & time: 3-15-07 4:30pm received by: ____
Relinquished by: ____ Date & time: ____ received by: ____
LAB USE ONLY: Shipper name: ____ Opened by: ____ Condition: ____

UNITED CHEMISTS
New York State Department of Environmental Conservation

Sample Identification and Analytical Requirement Summary

Project: SPGL100

Client Name: Walden Environmental

Customer Sample Code	Analysis Requested
MS-4 Indoor	TO-15
MS-4 Subslab	TO-15
MS-3 Indoor	TO-15
MS-3 Subslab	TO-15
MS-5 Indoor	TO-15
MS-5 Subslab	TO-15
MS-6 Indoor	TO-15
MS-6 Subslab	TO-15
OA-1 Outdoor	TO-15
Duplicate 2	TO-15
MS-1 Indoor	TO-15
MS-1 Subslab	TO-15
MS-2 Indoor	TO-15
MS-2 Subslab	TO-15
Duplicate 1	TO-15

UNITED CHEMISTS

Internal Sample Tracking Chronicle

Customer Sample Code	Analysis By	Received By
MS-4 Indoor	C.Domaradzki	C.Domaradzki
MS-4 Subslab	C.Domaradzki	C.Domaradzki
MS-3 Indoor	C.Domaradzki	C.Domaradzki
MS-3 Subslab	C.Domaradzki	C.Domaradzki
MS-5 Indoor	C.Domaradzki	C.Domaradzki
MS-5 Subslab	C.Domaradzki	C.Domaradzki
MS-6 Indoor	C.Domaradzki	C.Domaradzki
MS-6 Subslab	C.Domaradzki	C.Domaradzki
OA-1 Outdoor	C.Domaradzki	C.Domaradzki
Duplicate 2	C.Domaradzki	C.Domaradzki
MS-1 Indoor	C.Domaradzki	C.Domaradzki
MS-1 Subslab	C.Domaradzki	C.Domaradzki
MS-2 Indoor	C.Domaradzki	C.Domaradzki
MS-2 Subslab	C.Domaradzki	C.Domaradzki
Duplicate 1	C.Domaradzki	C.Domaradzki

Date	3/7/2007
Instrument	B
MatrixType(L or NL)	NL
IV	1
FV	1

File IDs: C:\HPCHEM\1\DATA\18

Method	TO-15
Department	GCMS-AV
Channel	A
Units	ppb

Compounds:	spk amt	9	10	11	12	13	14	15	STDDEV	MDL
Methyl-tert-butyl ether	2.5	3.59	3.66	3.92	3.42	3.73	3.39	3.74	0.187	0.59
Benzene	2.5	3.11	3.17	3.36	3.08	3.14	3.13	3.24	0.096	0.30
Dichlorodifluoromethane	2.5	3.26	3.41	3.59	3.4	3.53	3.25	3.39	0.126	0.40
Chloromethane	2.5	2.92	2.93	3.29	2.93	3.21	3.16	3.17	0.156	0.49
Vinylchloride	2.5	3.29	3.22	3.18	3.01	3.24	2.89	3.28	0.151	0.47
Bromomethane	2.5	3.2	2.91	3.4	3.15	3.22	2.93	3.44	0.187	0.59
Ethanol	2.5	3.15	2.89	3.4	3.21	3.31	3.05	0.09	0.183	0.57
Chloroethane	2.5	3.11	3.07	3.08	2.94	3.11	2.94	3.04	0.073	0.23
Acetone	2.5	3.36	3.66	3.98	3.55	3.62	3.7	3.84	0.200	0.63
Isopropyl Alcohol	2.5	2.79	2.87	2.67	2.58	2.64	2.55	2.91	0.142	0.45
Trichlorofluoromethane	2.5	3.37	3.3	3.53	3.28	3.44	3.4	3.48	0.091	0.29
1,1-Dichloroethene	2.5	3.13	3.12	3.27	3.08	3.17	3.09	3.22	0.070	0.22
1,3-Butadiene	2.5	3.22	3.36	3.39	3.3	3.3	3.02	3.52	0.155	0.49
Methylene chloride	2.5	3.01	3.04	2.94	2.7	2.83	2.77	2.96	0.128	0.40
Carbon Disulfide	2.5	3.09	3.15	3.21	3.08	3.11	3.2	3.13	0.051	0.16
1,1,2-trichloro-1,2,2trifluoroethane	2.5	3.39	3.36	3.47	3.29	3.48	3.36	3.52	0.082	0.26
1,1-Dichloroethane	2.5	2.91	2.99	2.89	2.79	2.84	2.87	2.94	0.066	0.21
Heptane	2.5	2.72	2.85	2.96	2.75	2.93	2.75	2.98	0.110	0.34
cis-1,2-Dichloroethene	2.5	2.59	2.59	2.81	2.53	2.54	2.65	2.71	0.100	0.32
Hexane	2.5	1.71	2.74	3.03	2.36	1.85	1.77	1.85	0.528	1.66
Chloroform	2.5	2.93	2.88	3.01	2.77	2.89	2.87	2.96	0.076	0.24
1,1,1-Trichloroethane	2.5	2.89	2.92	3.06	2.82	2.83	2.89	3.04	0.095	0.30
Carbon tetrachloride	2.5	3.24	3.3	3.47	3.23	3.37	3.24	3.4	0.094	0.29
Trichloroethylene	2.5	3.5	3.67	3.71	3.62	3.68	3.57	3.72	0.080	0.25
2-Butanone (MEK)	2.5	2.45	2.48	2.63	2.38	2.39	2.45	2.61	0.099	0.31
1,2-Dichloroethane	2.5	3.04	2.81	3.44	3.21	3.01	3.54	1.89	0.548	1.72
1,2-Dichloropropane	2.5	3.01	3.07	3.35	2.97	3.1	2.96	3.19	0.139	0.44
Ethyl Acetate	2.5	4.25	4.21	4.46	4.07	4.08	4.17	4.14	0.133	0.42
Bromodichloromethane	2.5	2.33	2.43	2.56	2.26	2.43	2.36	2.4	0.094	0.30
cis-1,3-Dichloropropene	2.5	2.94	2.94	3.04	2.81	2.95	2.86	3.06	0.080	0.25
1,4 Dioxane	2.5	4.01	4.31	4.25	3.88	3.98	4.27	4.09	0.182	0.57

Toluene	2.5	3.26	2.94	3.57	3.29	2.79	3.23	2.96	0.277	**0.87**
Methyl Butyl Ketone	2.5	4.43	4.42	4.44	4.18	4.25	4.22	4.37	0.119	**0.37**
trans-1,3-Dichloropropene	2.5	2.94	2.94	3.04	2.81	2.95	2.86	3.06	0.089	**0.28**
1,1,2-Trichloroethane	2.5	3.01	3.08	3.12	2.93	3.12	3.03	3.16	0.079	**0.25**
Tetrachloroethene	2.5	2.92	3.02	3.1	2.87	3.03	2.93	3.04	0.082	**0.26**
Dibromochloromethane	2.5	2.47	2.54	2.68	2.36	2.5	2.46	2.58	0.101	**0.32**
1,2-Dibromoethane	2.5	2.92	3.03	3.12	2.89	3.01	2.96	2.99	0.076	**0.24**
Chlorobenzene	2.5	3.16	3.18	3.39	3.04	3.19	3.09	3.26	0.114	**0.36**
Ethylbenzene	2.5	3.21	3.31	3.47	3.1	3.24	3.3	3.43	0.127	**0.40**
m+p-Xylene	2.5	3.33	3.45	3.63	3.22	3.4	3.3	3.43	0.131	**0.41**
o-Xylene	2.5	3.18	3.19	3.46	3.09	3.23	3.21	3.35	0.122	**0.38**
Styrene	2.5	2.96	3.09	3.28	2.94	3.03	2.91	3.05	0.125	**0.39**
1,1,2,2-Tetrachloroethane	2.5	3.01	3.08	3.12	2.93	3.12	3.03	3.16	0.079	**0.25**
1,3,5-Trimethylbenzene	2.5	3.27	3.45	3.69	3.29	3.47	3.33	3.46	0.145	**0.45**
Benzyl Chloride	2.5	4.07	4.23	4.32	4.03	4.13	4.05	4.19	0.106	**0.33**
1,2,4-Trimethylbenzene	2.5	3.76	3.35	3.57	3.19	3.36	3.22	3.35	0.201	**0.63**
Methyl Isobutyl Ketone	2.5	3.22	3.48	3.55	4.18	3.46	3.41	3.3	0.314	**0.99**
1,3-Dichlorobenzene	2.5	2.91	3	3.1	2.79	2.95	2.87	2.91	0.098	**0.31**
1,4-Dichlorobenzene	2.5	3.02	3.26	3.23	2.58	2.92	2.82	2.99	0.235	**0.74**
1,2-Dichlorobenzene	2.5	3.09	3.07	3.06	2.85	3.09	2.44	3.07	0.242	**0.76**
1,2,4-Trichlorobenzene	2.5	2.32	2.18	2.96	2.6	2.76	2.65	2.45	0.266	**0.83**
Hexachlorobutadiene	2.5	3.17	3.51	3.48	3.25	3.28	3.21	3.31	0.131	**0.41**

UNITED CHEMISTS

QC Data Summaries

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

Calibration Files
1 =2.D 2 =3.D 3 =4.D
4 =5.D 5 =6.D 6 =7.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)		dichlorodifluoromet	2.027	2.260	2.222	2.069	2.038	1.754	2.061	8.72
2)	P	chloromethane	2.777	3.129	3.037	2.837	2.935	3.030	2.958	4.50
3)		1,2-dichlorotetrafl	2.829	3.150	2.953	2.766	2.634	2.155	2.748	12.35
4)	C	vinyl chloride	0.942	1.085	1.068	1.013	1.049	1.049	1.034	4.95#
5)		1,3-Butadiene	6.035	7.330	6.951	6.630	6.877	7.019	6.807	6.47
6)		bromomethane	1.041	1.298	1.239	1.178	1.217	1.209	1.197	7.23
7)		chloroethane	5.812	6.402	6.255	5.926	6.172	6.316	6.147	3.76
8)		trichlorofluorometh	1.753	2.087	1.928	1.852	1.868	1.688	1.863	7.49
9)	CM	1,1-dichloroethene	1.113	1.145	1.097	1.045	1.089	1.068	1.093	3.17#
10)		methylene chloride	6.063	5.871	5.992	5.843	6.254	6.555	6.096	4.42
11)		1,1,2-trichloro-1,2	2.241	2.430	2.295	2.198	2.163	1.863	2.198	8.59
12)		MTBE	1.727	1.797	1.793	1.629	1.657	1.528	1.688	6.18
13)	P	1,1-dichloroethane	1.715	1.478	1.606	1.559	1.715	1.613	1.614	5.68
14)		Acetone		4.760	4.689	4.162	4.299	4.562	4.494	5.69
15)		cis-1,2-dichloroeth	1.058	0.940	0.971	0.973	1.136	1.157	1.039	8.86
16)		Hexane	1.709	1.947	1.889	1.808	1.835	1.712	1.817	5.24
17)	C	chloroform	1.926	1.798	1.903	1.855	1.974	1.731	1.864	4.78#
18)		1,2-dichloroethane		6.838	7.633		8.894	9.986	8.338	16.64
19)		Bromochloromethane	----------ISTD----------							
20)		Ethyl Acetate	0.441	0.550	0.569	0.453	0.478	0.457	0.491	11.13
21)		1,1,1-trichloroetha	3.315	3.428	3.468	3.106	3.195	2.672	3.197	9.12
22)		2-Butanone	3.315	3.428	3.468	3.106	3.195	2.672	3.197	9.12
23)		Heptane	2.075	2.446	2.408	2.147	2.083	1.822	2.164	10.76
24)	M	benzene	4.501	5.048	5.166	4.490	4.451	3.498	4.526	13.06
25)		carbon tertrachlori	2.927	3.781	3.679	3.216	3.067	2.539	3.202	14.63
26)	C	1,2-dichloropropane	1.577	1.811	1.906	1.653	1.700	1.657	1.718	7.00#
27)		trichloroethene		3.531	3.112	2.720	2.583	2.189	2.827	18.16
28)		1,4 Difluorobenzene	----------ISTD----------							
29)		Bromodichloromethan	1.084	1.017	1.082	1.043	1.131	0.957	1.052	5.79
30)		1,4-Dioxane	0.274	0.278	0.301	0.293	0.316	0.317	0.297	6.16
31)		cis-1,3-dichloropro	0.617	0.655	0.707	0.676	0.769	0.739	0.694	8.04
32)		trans-1,3-dichlorop	0.617	0.655	0.707	0.676	0.769	0.739	0.694	8.04
33)		1,1,2-trichloroetha	0.449	0.456	0.482	0.454	0.505	0.506	0.475	5.45
34)		Dibromochloromethan	1.071	1.067	1.131	1.110	1.225	1.023	1.104	6.35
35)	CM	toluene	0.014	0.012	0.013	0.011	0.013	0.013	0.013	8.30#
36)		1,2-dibromoethane	0.772	0.808	0.846	0.820	0.938	0.879	0.844	6.93
37)		Methyl Butyl Ketone	0.390	0.370	0.420	0.429	0.482	0.489	0.430	11.14
38)		Methyl Isobutyl Ket	0.383	0.388	0.419	0.408	0.436	0.401	0.406	4.84
39)		tetrachloroethene	1.086	1.101	1.119	1.103	1.153	0.946	1.085	6.62
40)	I	Chlorobenzene-D5	----------ISTD----------							
41)		Chlorobenzene	1.258	1.223	1.284	1.185	1.266	1.085	1.217	6.04
42)	C	ethylbenzene	0.598	0.609	0.619	0.566	0.622	0.607	0.604	3.34#
43)		m+p-xylene	1.357	1.379	1.438	1.307	1.453		1.387	4.31
44)		styrene	0.778	0.777	0.826	0.777	0.874	0.824	0.809	4.84
45)		o-xylene	0.719	0.727	0.749	0.684	0.748	0.722	0.725	3.28
46)		1,1,2,2-tetrachloro	0.532	0.518	0.545	0.503	0.555	0.558	0.535	4.07
47)	S	4-bromofluorobenzen	0.577	0.587	0.598	0.600	0.612	0.616	0.598	2.48
48)		4-methyltoluene	0.146	0.146	0.149	0.140	0.152	0.158	0.148	4.25
49)		1,3,5-trimethylbenz	1.327	1.354	1.387	1.283	1.370	1.207	1.321	5.06
50)		1,2,4-trimethylbenz	1.650	1.354	1.387	1.607	1.591	1.202	1.465	12.13
51)		1,3-dichlorobenzene	0.711	0.665	0.703	0.683	0.782	0.771	0.719	6.60
52)		1,4-dichlorobenzene	0.729	0.687	0.724	0.699	0.782	0.771	0.732	5.22
53)		Benzyl Chloride	0.635	0.594	0.638	0.634	0.722	0.720	0.657	7.94
54)		1,2-dichlorobenzene	0.631	0.583	0.615	0.578	0.658	0.661	0.621	5.76
55)		1,2,4-trichlorobenz	0.135	0.107	0.119	0.122	0.145	0.152	0.130	12.90

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\2.D Vial: 2
Acq On : 6 Mar 2007 4:19 am Operator: Chris Domaradzki
Sample : 2.5ppb std Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.61	128	26030086	50.00 ppb		0.00
28) 1,4 Difluorobenzene	14.84	114	83493996	50.00 ppb		0.00
40) Chlorobenzene-D5	20.56	117	70626509	50.00 ppb		0.00
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.16	95	40644127	85.79 ppb		0.00
Target Compounds						Qvalue
1) dichlorodifluoromethane	5.35	85	5062165	8.16 ppb	#	35
2) chloromethane	5.86	52	698597	8.61 ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.71	85	6602100	7.12 ppb		76
4) vinyl chloride	6.10	62	2124603	7.41 ppb	#	100
5) 1,3-Butadiene	6.15	54	1507091	6.99 ppb	#	19
6) bromomethane	6.91	94	2597121	8.26 ppb	#	1
7) chloroethane	7.22	64	1455617	8.29 ppb		100
8) trichlorofluoromethane	7.55	101	4736367	7.84 ppb		100
9) 1,1-dichloroethene	8.66	96	2733820	8.41 ppb		98
10) methylene chloride	9.81	86	1470269	8.12 ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.74	101	5632770	7.89 ppb	#	1
12) MTBE	10.34	73	4039646	5.66 ppb	#	34
13) 1,1-dichloroethane	11.28	63	4222436	7.83 ppb	#	100
14) Acetone	9.91	58	1904220	9.97 ppb	#	64
15) cis-1,2-dichloroethene	12.25	96	2640177	7.71 ppb		92
16) Hexane	10.26	57	4310531	8.58 ppb	#	74
17) chloroform	12.71	83	4813975	8.27 ppb		92
18) 1,2-dichloroethane	11.26	62	132311	4.83 ppb	#	1
27) trichloroethene	14.82	95	5120404	3.49 ppb		55
29) Bromodichloromethane	15.87	83	4528059	2.98 ppb		73
30) 1,4-Dioxane	16.29	88	1154470	3.26 ppb	#	38
31) cis-1,3-dichloropropene	17.05	75	2579141	2.07 ppb		97
32) trans-1,3-dichloropropene	17.05	75	2579141	2.07 ppb		99
33) 1,1,2-trichloroethane	18.63	83	1845755	2.19 ppb		97
34) Dibromochloromethane	19.02	129	4412861	2.76 ppb	#	53
35) toluene	15.87	92	55062	3.99 ppb	#	17
36) 1,2-dibromoethane	19.56	107	3249320	2.24 ppb		99
37) Methyl Butyl Ketone	19.91	58	1632437	2.36 ppb	#	70
38) Methyl Isobutyl Ketone	18.23	58	1598052	2.39	#	100
39) tetrachloroethene	18.30	166	4537930	3.78 ppb		95
48) 4-methyltoluene	23.64	106	530728	5.22 ppb	#	1
49) 1,3,5-trimethylbenzene	23.82	105	4834244	8.44 ppb		91
50) 1,2,4-trimethylbenzene	23.82	105	4835134	7.34 ppb		88
51) 1,3-dichlorobenzene	25.56	146	2542785	10.72 ppb		98
52) 1,4-dichlorobenzene	25.56	146	2542785	10.72 ppb		99
53) Benzyl Chloride	26.32	91	2232921	26.20 ppb	#	46
54) 1,2-dichlorobenzene	26.77	146	2298991	21.85 ppb		95
55) 1,2,4-trichlorobenzene	30.35	180	462792	2.39 ppb		99
56) hexachlorobutadiene	30.21	225	697200	4.10 ppb		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

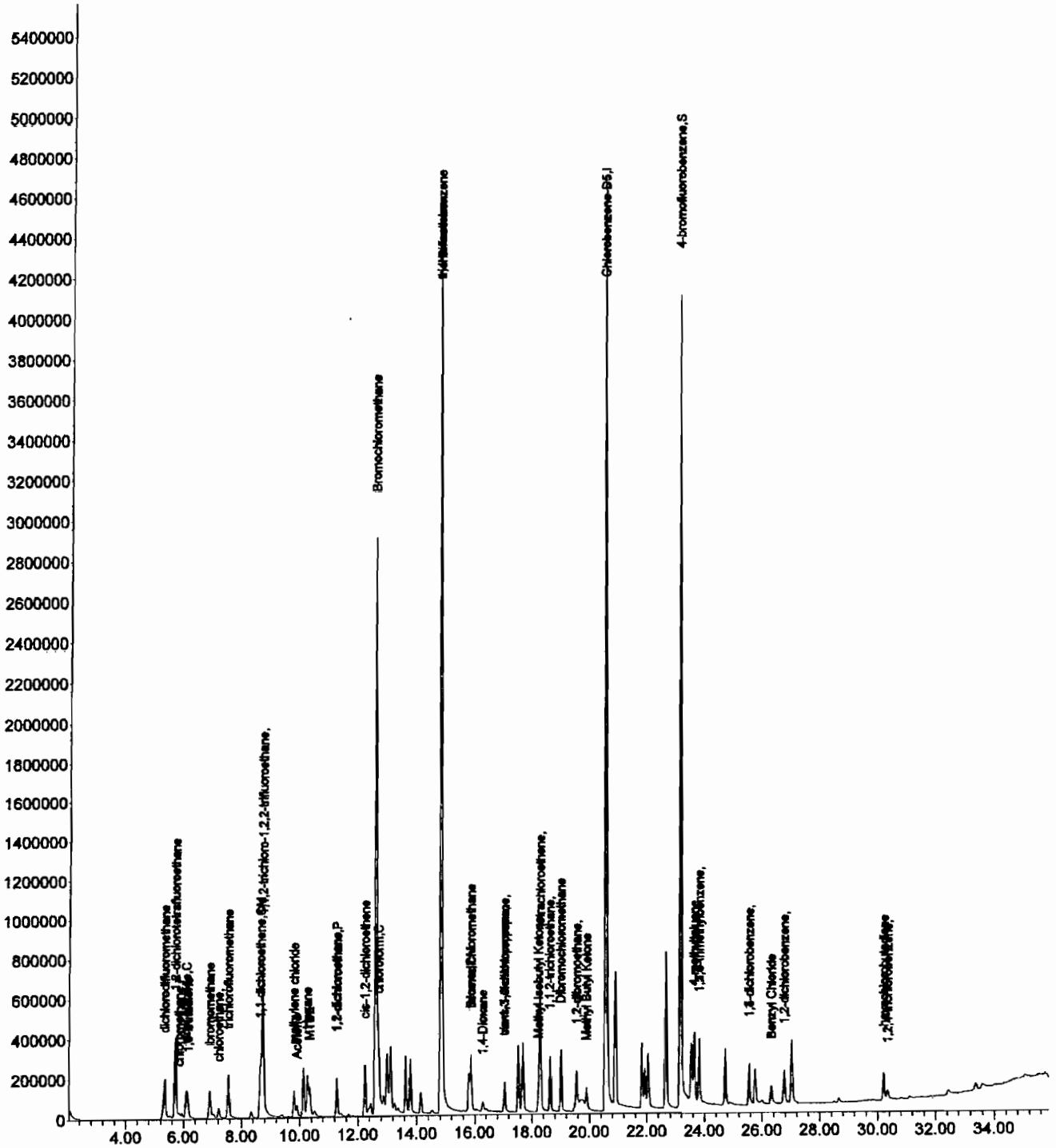
Data File : C:\HPCHEM\1\DATA\18\2.D
Acq On : 6 Mar 2007 4:19 am
Sample : 2.5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 2
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration

TIC: 2.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\3.D
Acq On : 6 Mar 2007 5:14 am
Sample : 5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 3
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.60	128	22494597	50.00	ppb		-0.01
28) 1,4 Difluorobenzene	14.82	114	81531893	50.00	ppb		-0.01
40) Chlorobenzene-D5	20.55	117	71322821	50.00	ppb		-0.01
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.15	95	41757393	87.28	ppb		-0.02
Target Compounds							Qvalue
1) dichlorodifluoromethane	5.33	85	11320578	18.25	ppb	#	34
2) chloromethane	5.84	52	1578192	19.45	ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.70	85	15838383	17.09	ppb		71
4) vinyl chloride	6.08	62	5331315	18.59	ppb	#	100
5) 1,3-Butadiene	6.13	54	3623852	16.80	ppb	#	52
6) bromomethane	6.89	94	6502095	20.68	ppb	#	1
7) chloroethane	7.21	64	3128875	17.81	ppb		99
8) trichlorofluoromethane	7.54	101	10501063	17.37	ppb		99
9) 1,1-dichloroethene	8.64	96	5716872	17.58	ppb		99
10) methylene chloride	9.80	86	2933957	16.20	ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.72	101	12162768	17.04	ppb	#	1
12) MTBE	10.32	73	8986103	12.59	ppb	#	34
13) 1,1-dichloroethane	11.26	63	7390650	13.71	ppb	#	100
14) Acetone	9.89	58	2406663	12.60	ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	4703049	13.73	ppb		95
16) Hexane	10.25	57	9731465	19.36	ppb	#	69
17) chloroform	12.69	83	8986123	15.44	ppb		92
18) 1,2-dichloroethane	11.26	62	338146	12.34	ppb	#	1
20) Ethyl Acetate	12.87	61	1255422	3.63			86
21) 1,1,1-trichloroethane	13.11	97	7826628	3.95	ppb		88
22) 2-Butanone	13.11	97	7826628	3.95	ppb		97
23) Heptane	13.63	71	5557847	4.24	ppb		86
24) benzene	13.77	78	11470514	3.06	ppb		93
25) carbon tertrachloride	12.99	119	8585401	4.89	ppb		99
26) 1,2-dichloropropane	15.78	63	4112661	3.13	ppb	#	100
27) trichloroethene	14.81	95	8006934	6.32	ppb		68
29) Bromodichloromethane	15.86	83	8283815	5.58	ppb		73
30) 1,4-Dioxane	16.25	88	2200767	6.36	ppb	#	23
31) cis-1,3-dichloropropene	17.04	75	5412002	4.46	ppb		99
32) trans-1,3-dichloropropene	17.04	75	5412002	4.46	ppb		99
33) 1,1,2-trichloroethane	18.62	83	3717924	4.52	ppb		95
34) Dibromochloromethane	19.00	129	8742996	5.59	ppb	#	54
35) toluene	15.85	92	108554	8.05	ppb	#	43
36) 1,2-dibromoethane	19.55	107	6586624	4.66	ppb		98
37) Methyl Butyl Ketone	19.89	58	3110886	4.60	ppb	#	71
38) Methyl Isobutyl Ketone	18.22	58	3149169	4.83		#	100
39) tetrachloroethene	18.28	166	8959098	7.65	ppb		95
41) Chlorobenzene	20.59	112	8731242	3.32	ppb		100
42) ethylbenzene	20.59	106	4341445	3.45	ppb		100
43) m+p-xylene	20.88	106	10599121	3.52	ppb		96
44) styrene	21.93	104	5521850	2.90	ppb		97
45) o-xylene	21.82	106	5163713	3.91	ppb		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\3.D
Acq On : 6 Mar 2007 5:14 am
Sample : 5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 3
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,1,2,2-tetrachloroethane	18.62	83	3717924	3.67 ppb		96
48) 4-methyltoluene	23.63	106	1027562	10.01 ppb	#	1
49) 1,3,5-trimethylbenzene	23.81	105	10301499	17.81 ppb		93
50) 1,2,4-trimethylbenzene	23.81	105	10027873	15.08 ppb		87
51) 1,3-dichlorobenzene	25.55	146	4836695	20.20 ppb		99
52) 1,4-dichlorobenzene	25.55	146	4836695	20.20 ppb		100
53) Benzyl Chloride	26.31	91	4294801	49.90 ppb	#	47
54) 1,2-dichlorobenzene	26.76	146	4145092	39.02 ppb		98
55) 1,2,4-trichlorobenzene	30.35	180	804394	4.11 ppb		92
56) hexachlorobutadiene	30.20	225	1361809	7.94 ppb		100

(#) = qualifier out of range (m) = manual integration

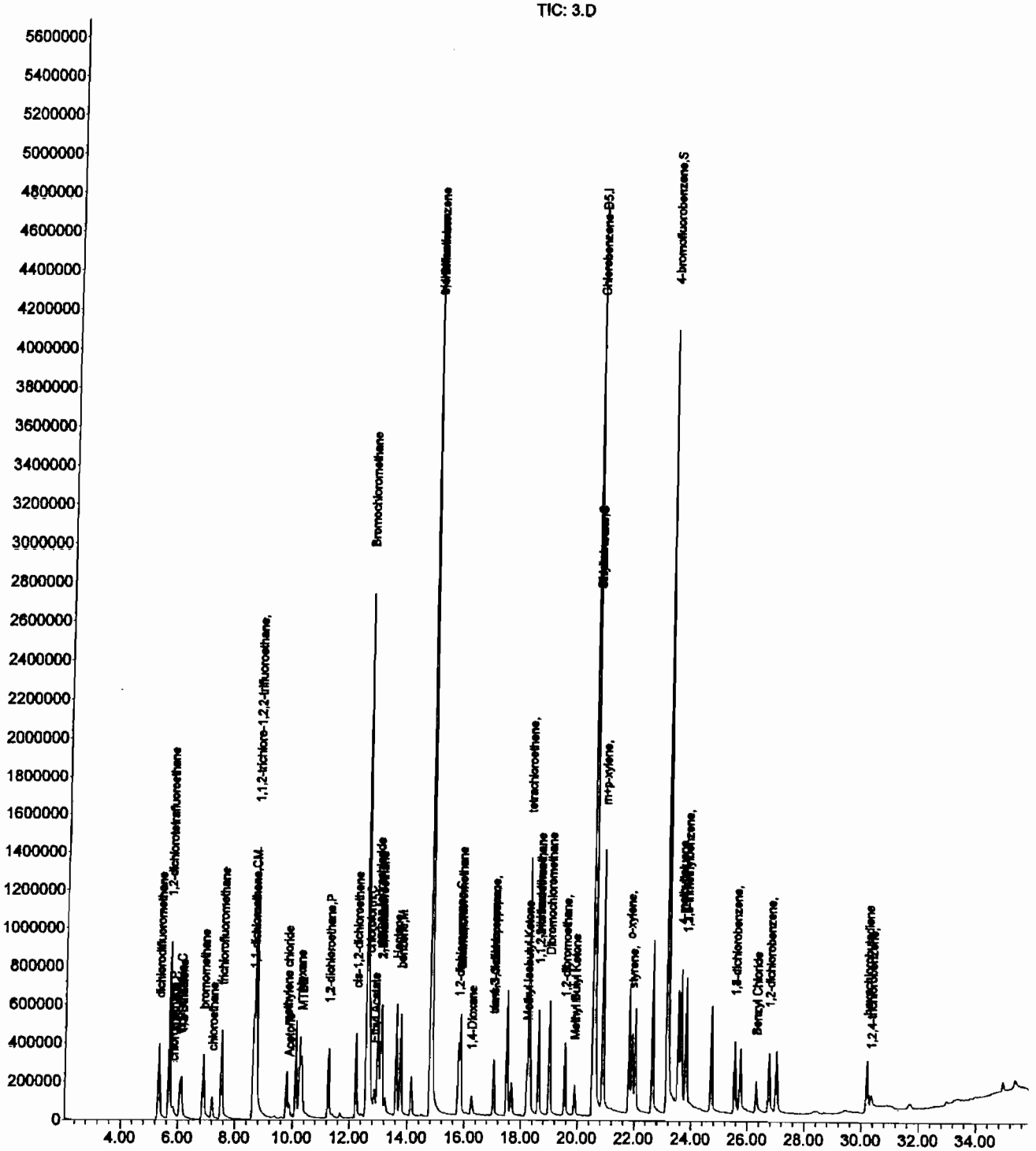
Quantitation Report

Data File : C:\HPCHEM\1\DATA\18\3.D
Acq On : 6 Mar 2007 5:14 am
Sample : 5ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 3
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\4.D Vial: 4
Acq On : 6 Mar 2007 6:08 am Operator: Chris Domaradzki
Sample : 10ppb std Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.59	128	22641429	50.00	ppb		-0.01
28) 1,4 Difluorobenzene	14.82	114	80569569	50.00	ppb		-0.02
40) Chlorobenzene-D5	20.55	117	70933670	50.00	ppb		-0.02
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.15	95	42715655	89.77	ppb		-0.02
Target Compounds							Qvalue
1) dichlorodifluoromethane	5.33	85	22220588	35.82	ppb	#	36
2) chloromethane	5.83	52	3043532	37.50	ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.69	85	29577919	31.91	ppb		72
4) vinyl chloride	6.07	62	10754317	37.49	ppb	#	100
5) 1,3-Butadiene	6.13	54	6849667	31.76	ppb	#	55
6) bromomethane	6.89	94	12405693	39.46	ppb	#	1
7) chloroethane	7.20	64	6281571	35.76	ppb		98
8) trichlorofluoromethane	7.53	101	19326907	31.98	ppb		100
9) 1,1-dichloroethene	8.64	96	10944298	33.65	ppb		100
10) methylene chloride	9.79	86	6035313	33.32	ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.72	101	23021656	32.25	ppb	#	1
12) MTBE	10.31	73	17928731	25.12	ppb	#	34
13) 1,1-dichloroethane	11.26	63	16016171	29.71	ppb	#	100
14) Acetone	9.88	58	4727968	24.75	ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	9712262	28.36	ppb		95
16) Hexane	10.25	57	18942607	37.69	ppb	#	72
17) chloroform	12.69	83	19189682	32.98	ppb		93
18) 1,2-dichloroethane	11.26	62	763851	27.87	ppb	#	1
20) Ethyl Acetate	12.87	61	2571990	7.39			87
21) 1,1,1-trichloroethane	13.11	97	15764525	7.90	ppb	#	85
22) 2-Butanone	13.11	97	15764525	7.90	ppb		94
23) Heptane	13.62	71	10908251	8.27	ppb		83
24) benzene	13.77	78	23514741	6.22	ppb		95
25) carbon tertrachloride	12.98	119	16694404	9.45	ppb		100
26) 1,2-dichloropropane	15.78	63	8616813	6.51	ppb	#	100
27) trichloroethene	14.80	95	14482282	11.35	ppb		79
29) Bromodichloromethane	15.86	83	17472092	11.91	ppb		74
30) 1,4-Dioxane	16.24	88	4882352	14.29	ppb	#	45
31) cis-1,3-dichloropropene	17.04	75	11308192	9.42	ppb		100
32) trans-1,3-dichloropropene	17.04	75	11308192	9.42	ppb		100
33) 1,1,2-trichloroethane	18.62	83	7703738	9.47	ppb		98
34) Dibromochloromethane	19.00	129	18228427	11.80	ppb	#	53
35) toluene	15.86	92	215499	16.18	ppb	#	48
36) 1,2-dibromoethane	19.55	107	13669001	9.78	ppb		97
37) Methyl Butyl Ketone	19.88	58	6821190	10.20	ppb	#	69
38) Methyl Isobutyl Ketone	18.21	58	6787157	10.54		#	100
39) tetrachloroethene	18.28	166	18023598	15.57	ppb		95
41) Chlorobenzene	20.59	112	18170486	6.94	ppb		99
42) ethylbenzene	20.59	106	8794776	7.03	ppb		99
43) m+p-xylene	20.88	106	21880740	7.31	ppb		96
44) styrene	21.93	104	11697722	6.19	ppb		95
45) o-xylene	21.82	106	10652551	8.11	ppb		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\4.D Vial: 4
Acq On : 6 Mar 2007 6:08 am Operator: Chris Domaradzki
Sample : 10ppb std Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,1,2,2-tetrachloroethane	18.62	83	7703738	7.64 ppb		99
48)	4-methyltoluene	23.63	106	2106903	20.63 ppb	#	1
49)	1,3,5-trimethylbenzene	23.81	105	20750437	36.08 ppb		92
50)	1,2,4-trimethylbenzene	23.81	105	20389357	30.83 ppb		88
51)	1,3-dichlorobenzene	25.55	146	10204924	42.86 ppb		99
52)	1,4-dichlorobenzene	25.55	146	10204924	42.86 ppb		100
53)	Benzyl Chloride	26.31	91	9026357	105.45 ppb	#	47
54)	1,2-dichlorobenzene	26.76	146	8962564	84.82 ppb		94
55)	1,2,4-trichlorobenzene	30.35	180	1843805	9.48 ppb		94
56)	hexachlorobutadiene	30.20	225	2738906	16.05 ppb		98

(#) = qualifier out of range (m) = manual integration

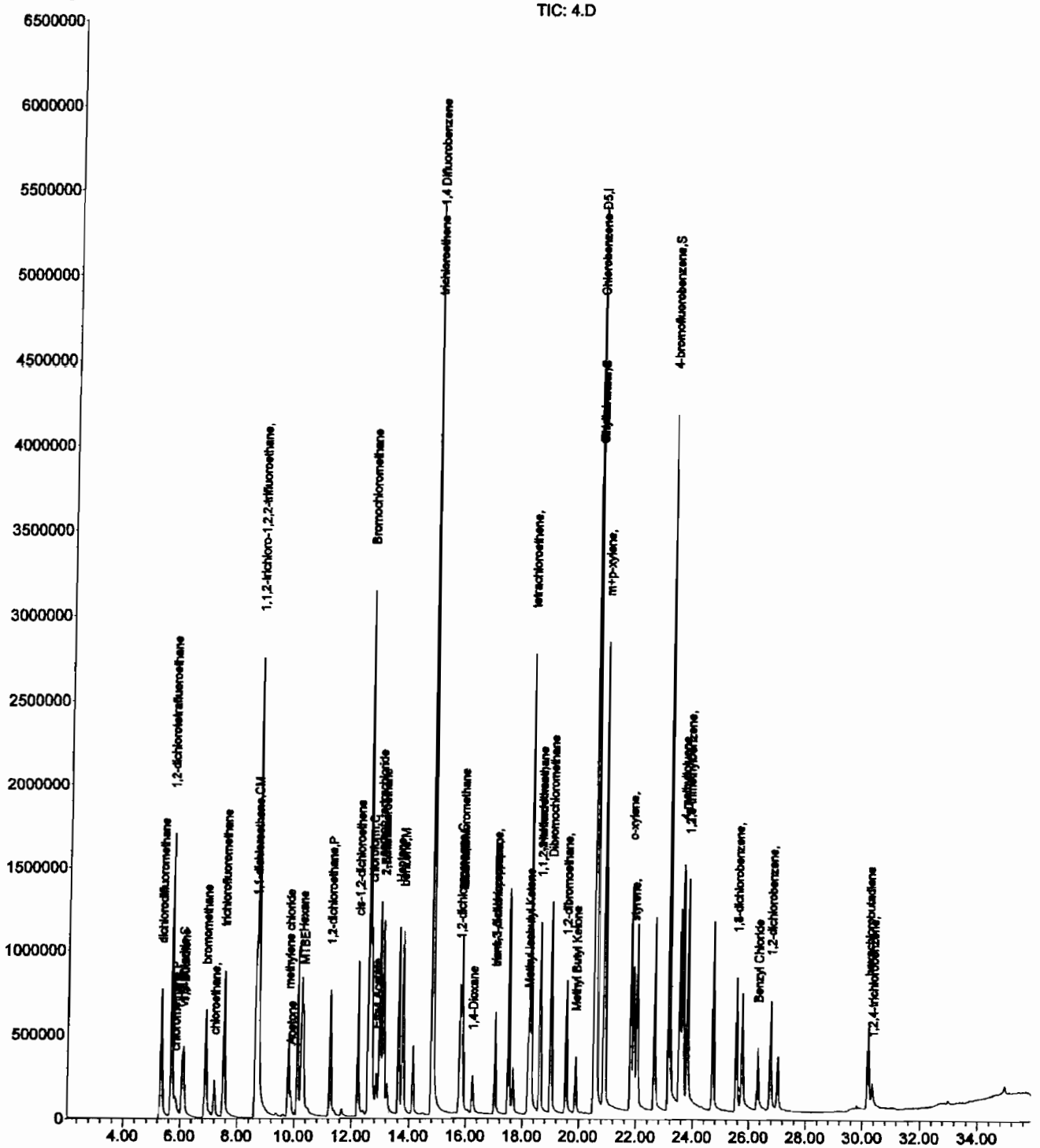
Quantitation Report

Data File : C:\HPCHEM\1\DATA\18\4.D
Acq On : 6 Mar 2007 6:08 am
Sample : 10ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 4
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\5.D
Acq On : 6 Mar 2007 7:03 am
Sample : 20ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 5
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.59	128	24583471	50.00 ppb		-0.01
28) 1,4 Difluorobenzene	14.82	114	82140372	50.00 ppb		-0.02
40) Chlorobenzene-D5	20.55	117	74115550	50.00 ppb		-0.02
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.15	95	44687597	89.88 ppb		-0.02
Target Compounds						Qvalue
1) dichlorodifluoromethane	5.32	85	41341946	66.65 ppb	#	36
2) chloromethane	5.82	52	5696336	70.19 ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.69	85	55396730	59.76 ppb		74
4) vinyl chloride	6.07	62	20231279	70.54 ppb	#	100
5) 1,3-Butadiene	6.13	54	13358397	61.95 ppb	#	54
6) bromomethane	6.89	94	23575051	74.98 ppb	#	1
7) chloroethane	7.20	64	11875853	67.60 ppb		99
8) trichlorofluoromethane	7.53	101	37087611	61.36 ppb		100
9) 1,1-dichloroethene	8.64	96	20929380	64.35 ppb		99
10) methylene chloride	9.79	86	11681469	64.48 ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.71	101	44000282	61.63 ppb	#	1
12) MTBE	10.30	73	32727518	45.85 ppb	#	34
13) 1,1-dichloroethane	11.26	63	31212683	57.90 ppb	#	100
14) Acetone	9.88	58	8376595	43.84 ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	19440848	56.76 ppb		91
16) Hexane	10.25	57	36247155	72.12 ppb	#	73
17) chloroform	12.69	83	38341977	65.90 ppb		95
18) 1,2-dichloroethane	11.24	62	1245543	45.45 ppb	#	1
20) Ethyl Acetate	12.86	61	4585717	12.13		90
21) 1,1,1-trichloroethane	13.10	97	30835869	14.24 ppb		85
22) 2-Butanone	13.10	97	30835869	14.24 ppb		95
23) Heptane	13.62	71	21237548	14.83 ppb		86
24) benzene	13.77	78	44548665	10.86 ppb		96
25) carbon tertrachloride	12.98	119	31842321	16.59 ppb		100
26) 1,2-dichloropropane	15.78	63	16415300	11.42 ppb	#	100
27) trichloroethene	14.80	95	27020875	19.50 ppb		86
29) Bromodichloromethane	15.85	83	34331842	22.95 ppb		74
30) 1,4-Dioxane	16.23	88	9735102	27.95 ppb	#	41
31) cis-1,3-dichloropropene	17.04	75	22220208	18.16 ppb		100
32) trans-1,3-dichloropropene	17.04	75	22220208	18.16 ppb		100
33) 1,1,2-trichloroethane	18.62	83	14919420	18.00 ppb		98
34) Dibromochloromethane	19.00	129	36496600	23.18 ppb	#	53
35) toluene	15.85	92	392530	28.91 ppb	#	25
36) 1,2-dibromoethane	19.55	107	27054304	18.99 ppb		98
37) Methyl Butyl Ketone	19.88	58	14082406	20.66 ppb	#	70
38) Methyl Isobutyl Ketone	18.20	58	13413892	20.43	#	100
39) tetrachloroethene	18.28	166	36262897	30.73 ppb		96
41) Chlorobenzene	20.59	112	35112988	12.84 ppb		98
42) ethylbenzene	20.59	106	16785657	12.84 ppb		99
43) m+p-xylene	20.88	106	41765396	13.36 ppb		89
44) styrene	21.93	104	23051952	11.67 ppb		94
45) o-xylene	21.82	106	20366730	14.84 ppb		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\5.D Vial: 5
Acq On : 6 Mar 2007 7:03 am Operator: Chris Domaradzki
Sample : 20ppb std Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,1,2,2-tetrachloroethane	18.62	83	14919420	14.17 ppb		99
48) 4-methyltoluene	23.63	106	4169256	39.07 ppb	#	1
49) 1,3,5-trimethylbenzene	23.81	105	40664112	67.67 ppb		92
50) 1,2,4-trimethylbenzene	23.81	105	39338432	56.93 ppb		86
51) 1,3-dichlorobenzene	25.55	146	20597575	82.78 ppb		99
52) 1,4-dichlorobenzene	25.55	146	20597575	82.78 ppb		100
53) Benzyl Chloride	26.31	91	18988083	212.31 ppb	#	46
54) 1,2-dichlorobenzene	26.76	146	17794384	161.18 ppb		95
55) 1,2,4-trichlorobenzene	30.34	180	3860967	19.00 ppb		94
56) hexachlorobutadiene	30.20	225	5449532	30.57 ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

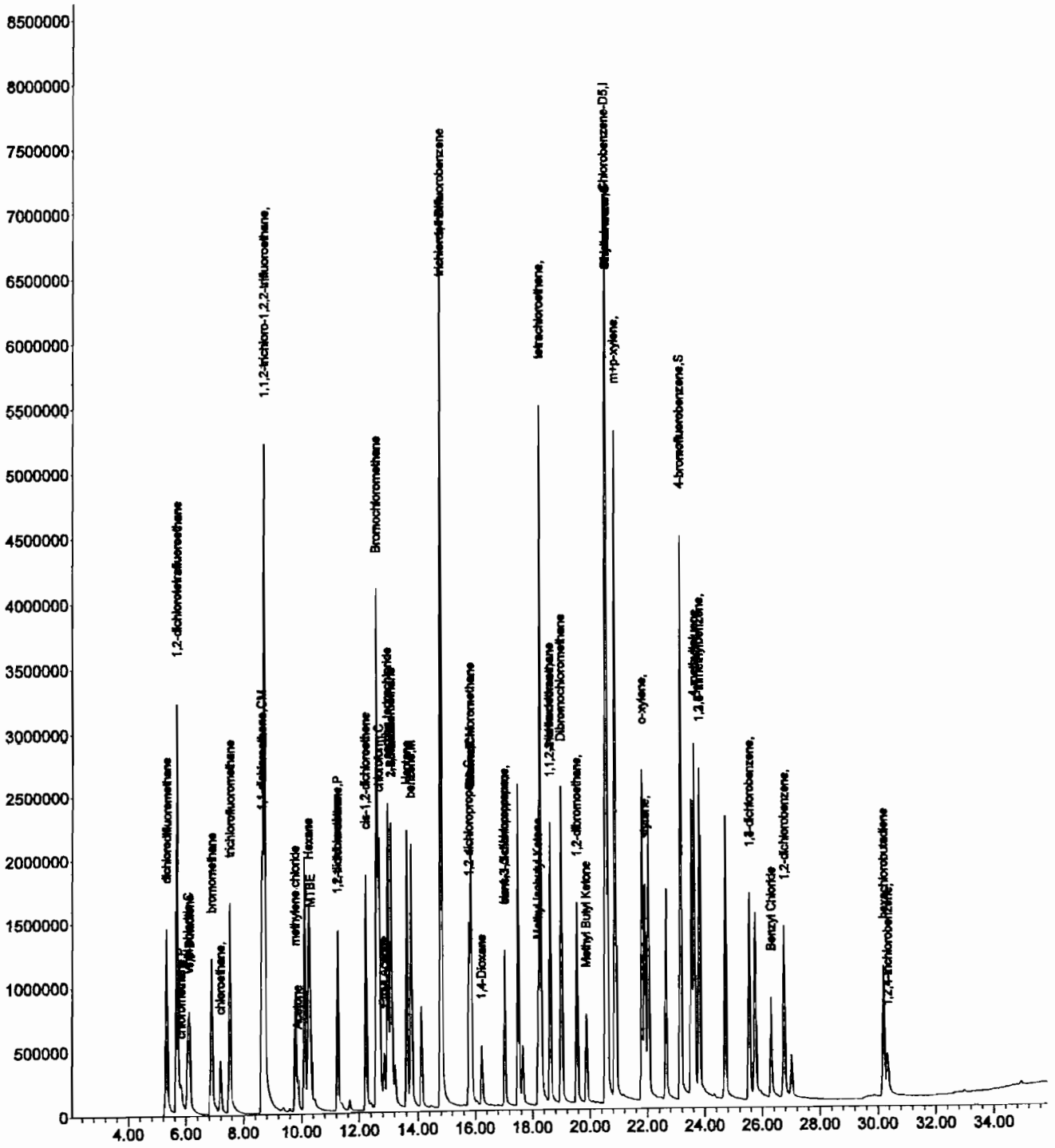
Data File : C:\HPCHEM\1\DATA\18\5.D
Acq On : 6 Mar 2007 7:03 am
Sample : 20ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 5
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration

TIC: 5.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\6.D
Acq On : 6 Mar 2007 7:59 am
Sample : 40ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 6
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.60	128	26572490	50.00	ppb		-0.01
28) 1,4 Difluorobenzene	14.83	114	82727843	50.00	ppb		-0.01
40) Chlorobenzene-D5	20.55	117	75279347	50.00	ppb		-0.01
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.15	95	46066624	91.22	ppb		-0.02
Target Compounds							Qvalue
1) dichlorodifluoromethane	5.32	85	81464935	131.33	ppb	#	33
2) chloromethane	5.82	52	11760429	144.90	ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.69	85	105526243	113.85	ppb		78
4) vinyl chloride	6.07	62	42080729	146.71	ppb	#	100
5) 1,3-Butadiene	6.13	54	27535569	127.69	ppb	#	54
6) bromomethane	6.89	94	48712633	154.93	ppb	#	1
7) chloroethane	7.20	64	24698195	140.58	ppb		98
8) trichlorofluoromethane	7.53	101	74809051	123.77	ppb		98
9) 1,1-dichloroethene	8.63	96	43664378	134.26	ppb		99
10) methylene chloride	9.79	86	25006501	138.04	ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.71	101	86617933	121.33	ppb	#	1
12) MTBE	10.30	73	66579209	93.28	ppb	#	34
13) 1,1-dichloroethane	11.26	63	68628340	127.30	ppb	#	100
14) Acetone	9.88	58	17391468	91.03	ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	45459794	132.72	ppb		93
16) Hexane	10.25	57	73427779	146.09	ppb	#	74
17) chloroform	12.69	83	78949056	135.69	ppb		89
18) 1,2-dichloroethane	11.26	62	3648767	133.15	ppb	#	14
20) Ethyl Acetate	12.87	61	10109005	24.75			85
21) 1,1,1-trichloroethane	13.11	97	67741107	28.94	ppb	#	83
22) 2-Butanone	13.11	97	67741107	28.94	ppb		93
23) Heptane	13.63	71	44158039	28.53	ppb		86
24) benzene	13.78	78	94367683	21.28	ppb		99
25) carbon tertrachloride	12.99	119	65014673	31.35	ppb		99
26) 1,2-dichloropropane	15.79	63	35950882	23.13	ppb	#	100
27) trichloroethene	14.80	95	54763329	36.57	ppb		90
29) Bromodichloromethane	15.86	83	74847455	49.67	ppb		70
30) 1,4-Dioxane	16.23	88	20933162	59.66	ppb	#	32
31) cis-1,3-dichloropropene	17.04	75	50907572	41.31	ppb		99
32) trans-1,3-dichloropropene	17.04	75	50907572	41.31	ppb		99
33) 1,1,2-trichloroethane	18.62	83	33400928	40.01	ppb		97
34) Dibromochloromethane	19.01	129	81103603	51.14	ppb	#	55
35) toluene	15.86	92	857369	62.70	ppb	#	19
36) 1,2-dibromoethane	19.55	107	62087277	43.27	ppb		97
37) Methyl Butyl Ketone	19.87	58	31851100	46.41	ppb	#	70
38) Methyl Isobutyl Ketone	18.21	58	28773244	43.51		#	100
39) tetrachloroethene	18.29	166	76320350	64.21	ppb		98
41) Chlorobenzene	20.59	112	76214812	27.44	ppb		92
42) ethylbenzene	20.59	106	37452931	28.20	ppb		79
43) m+p-xylene	20.89	106	87514218	27.56	ppb	#	71
44) styrene	21.93	104	52619863	26.23	ppb		94
45) o-xylene	21.82	106	45061913	32.32	ppb		79

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\6.D
Acq On : 6 Mar 2007 7:59 am
Sample : 40ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 6
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,1,2,2-tetrachloroethane	18.62	83	33400928	31.23 ppb		98
48) 4-methyltoluene	23.64	106	9175855	84.65 ppb	#	1
49) 1,3,5-trimethylbenzene	23.81	105	82559854	135.27 ppb		87
50) 1,2,4-trimethylbenzene	23.64	105	95799465	136.50 ppb	#	82
51) 1,3-dichlorobenzene	25.55	146	47103971	186.39 ppb		99
52) 1,4-dichlorobenzene	25.55	146	47103971	186.39 ppb		99
53) Benzyl Chloride	26.31	91	43352242	477.25 ppb	#	47
54) 1,2-dichlorobenzene	26.76	146	39441507	351.74 ppb		99
55) 1,2,4-trichlorobenzene	30.33	180	8664232	41.97 ppb		98
56) hexachlorobutadiene	30.20	225	11125585	61.45 ppb		99

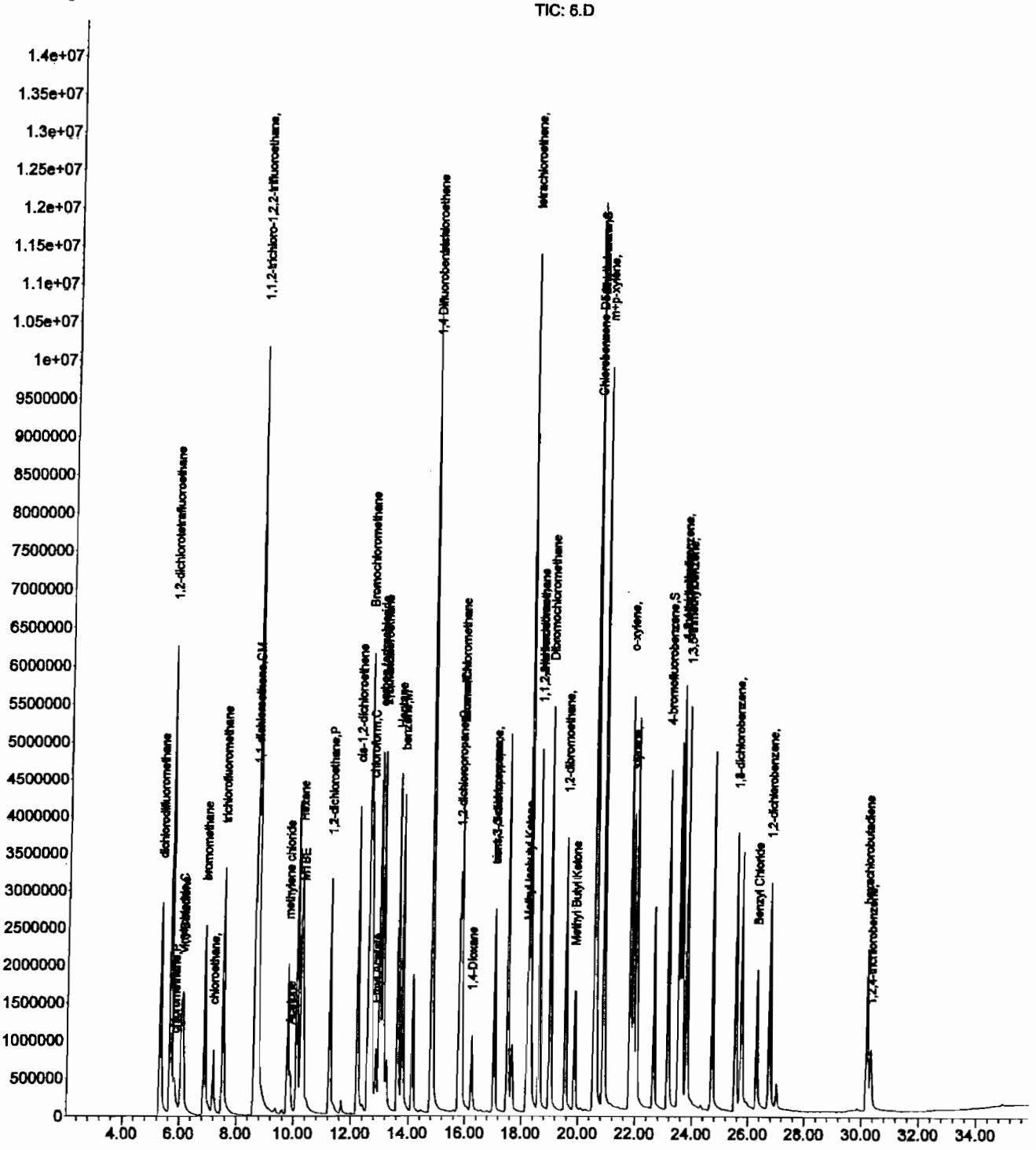
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\18\6.D
Acq On : 6 Mar 2007 7:59 am
Sample : 40ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 6
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration

TIC: 6.D



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\18\7.D
Acq On : 6 Mar 2007 8:58 am
Sample : 80ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 7
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.59	128	28712773	50.00 ppb		-0.01
28) 1,4 Difluorobenzene	14.82	114	87786938	50.00 ppb		-0.01
40) Chlorobenzene-D5	20.55	117	79488377	50.00 ppb		-0.01
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.15	95	48991301	91.88 ppb		-0.02
Target Compounds						Qvalue
1) dichlorodifluoromethane	5.32	85	140337307	226.24 ppb	#	18
2) chloromethane	5.82	52	24269623	299.03 ppb	#	26
3) 1,2-dichlorotetrafluoroeth	5.68	85	170129557	183.54 ppb		88
4) vinyl chloride	6.06	62	84124734	293.30 ppb	#	100
5) 1,3-Butadiene	6.12	54	56191907	260.58 ppb	#	55
6) bromomethane	6.88	94	96906599	308.22 ppb	#	1
7) chloroethane	7.19	64	50581830	287.92 ppb		98
8) trichlorofluoromethane	7.52	101	135209152	223.70 ppb		92
9) 1,1-dichloroethene	8.63	96	85582849	263.15 ppb		96
10) methylene chloride	9.79	86	52428576	289.42 ppb	#	1
11) 1,1,2-trichloro-1,2,2-trif	8.71	101	149336610	209.18 ppb	#	1
12) MTBE	10.30	73	122620539	171.80 ppb	#	34
13) 1,1-dichloroethane	11.26	63	129120643	239.50 ppb	#	100
14) Acetone	9.88	58	36655121	191.85 ppb	#	64
15) cis-1,2-dichloroethene	12.23	96	92457759	269.93 ppb		88
16) Hexane	10.25	57	136787522	272.15 ppb	#	79
17) chloroform	12.69	83	138486112	238.01 ppb	#	80
18) 1,2-dichloroethane	11.26	62	7997822	291.86 ppb	#	17
20) Ethyl Acetate	12.87	61	20727695	46.96		93
21) 1,1,1-trichloroethane	13.11	97	122711663	48.51 ppb	#	76
22) 2-Butanone	13.11	97	122711663	48.51 ppb		86
23) Heptane	13.63	71	83622716	50.01 ppb		88
24) benzene	13.77	78	160676622	33.53 ppb	#	83
25) carbon tertrachloride	12.99	119	116619793	52.04 ppb		98
26) 1,2-dichloropropane	15.79	63	76114027	45.32 ppb	#	100
27) trichloroethene	14.80	95	100543280	62.13 ppb		88
29) Bromodichloromethane	15.86	83	134392674	84.05 ppb	#	59
30) 1,4-Dioxane	16.23	88	44568671	119.71 ppb	#	32
31) cis-1,3-dichloropropene	17.04	75	103805117	79.39 ppb		92
32) trans-1,3-dichloropropene	17.04	75	103805117	79.39 ppb		92
33) 1,1,2-trichloroethane	18.62	83	71017968	80.16 ppb		94
34) Dibromochloromethane	19.01	129	143645628	85.35 ppb	#	61
35) toluene	15.86	92	1864358	128.48 ppb	#	17
36) 1,2-dibromoethane	19.55	107	123457012	81.08 ppb		96
37) Methyl Butyl Ketone	19.87	58	68731683	94.37 ppb	#	72
38) Methyl Isobutyl Ketone	18.21	58	56431933	80.41	#	100
39) tetrachloroethene	18.29	166	132856654	105.34 ppb		96
41) Chlorobenzene	20.59	112	138008977	47.06 ppb	#	67
42) ethylbenzene	20.60	106	77228730	55.07 ppb	#	47
43) m+p-xylene	20.60	106	77745164	23.18 ppb		92
44) styrene	21.93	104	104857044	49.49 ppb		99
45) o-xylene	21.83	106	91820938	62.38 ppb	#	60

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\18\7.D
Acq On : 6 Mar 2007 8:58 am
Sample : 80ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 7
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration
DataAcq Meth : TO15

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,1,2,2-tetrachloroethane	18.62	83	71017968	62.88 ppb		95
48)	4-methyltoluene	23.64	106	20121611	175.80 ppb	#	1
49)	1,3,5-trimethylbenzene	23.64	105	153482824	238.16 ppb		94
50)	1,2,4-trimethylbenzene	23.64	105	152829734	206.23 ppb		99
51)	1,3-dichlorobenzene	25.55	146	97942947	367.04 ppb		92
52)	1,4-dichlorobenzene	25.55	146	97942947	367.04 ppb		93
53)	Benzyl Chloride	26.30	91	91346966	952.35 ppb	#	48
54)	1,2-dichlorobenzene	26.76	146	84142681	710.64 ppb		98
55)	1,2,4-trichlorobenzene	30.32	180	19200407	88.09 ppb		98
56)	hexachlorobutadiene	30.19	225	22086515	115.53 ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

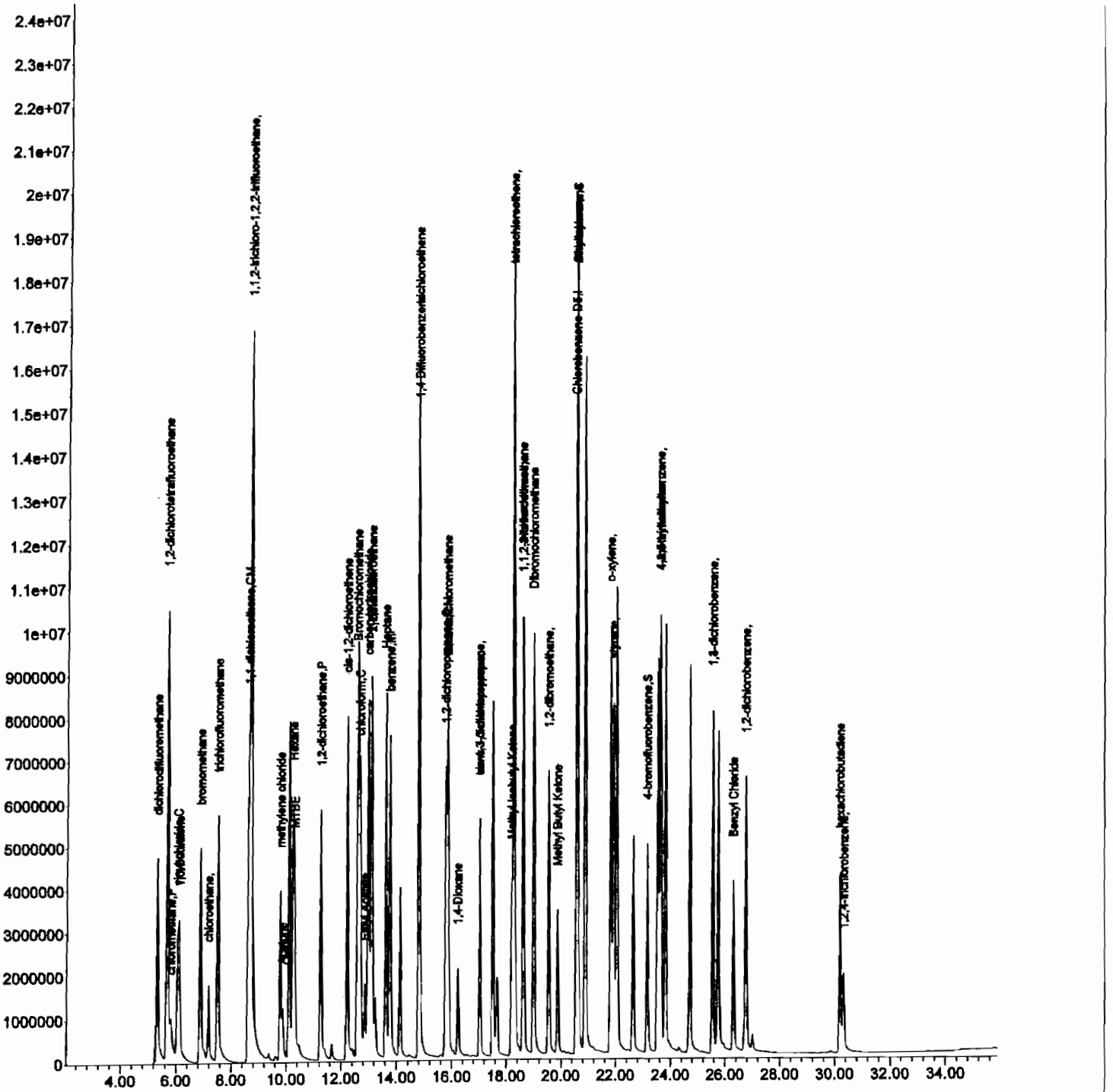
Data File : C:\HPCHEM\1\DATA\18\7.D
Acq On : 6 Mar 2007 8:58 am
Sample : 80ppb std
Misc :
MS Integration Params: events.e
Quant Time: Nov 19 19:52 2007

Vial: 7
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 10 00:26:49 2007
Response via : Initial Calibration

TIC: 7.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\13.D
Acq On : 20 Mar 2007 3:44 pm
Sample : MS-5 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:47 2007

Vial: 13
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.63	128	13842738	50.00 ppb		0.04
28) 1,4 Difluorobenzene	14.86	114	59092138	50.00 ppb		0.04
40) Chlorobenzene-D5	20.60	117	48897373	50.00 ppb		0.05
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.20	95	26289439	44.92 ppb		0.05
Target Compounds						Qvalue
20) Ethyl Acetate	12.93	61	99654	Below Cal	#	5
22) 2-Butanone	13.14	97	144732	Below Cal	#	20
23) Heptane	13.67	71	615286	Below Cal	#	1
34) Dibromochloromethane	19.04	129	146583	Below Cal		86
42) ethylbenzene	20.64	106	1518227	2.57 ppb		96
43) m+p-xylene	20.93	106	7269984	5.91 ppb		91
45) o-xylene	21.87	106	2887776	4.07 ppb		87
48) 4-methyltoluene	23.65	106	1330209	9.16 ppb	#	1
49) 1,3,5-trimethylbenzene	23.86	105	4393476	3.40 ppb		88
50) 1,2,4-trimethylbenzene	23.65	105	15109612	10.55 ppb	#	79

(#) = qualifier out of range (m) = manual integration

Quantitation Report

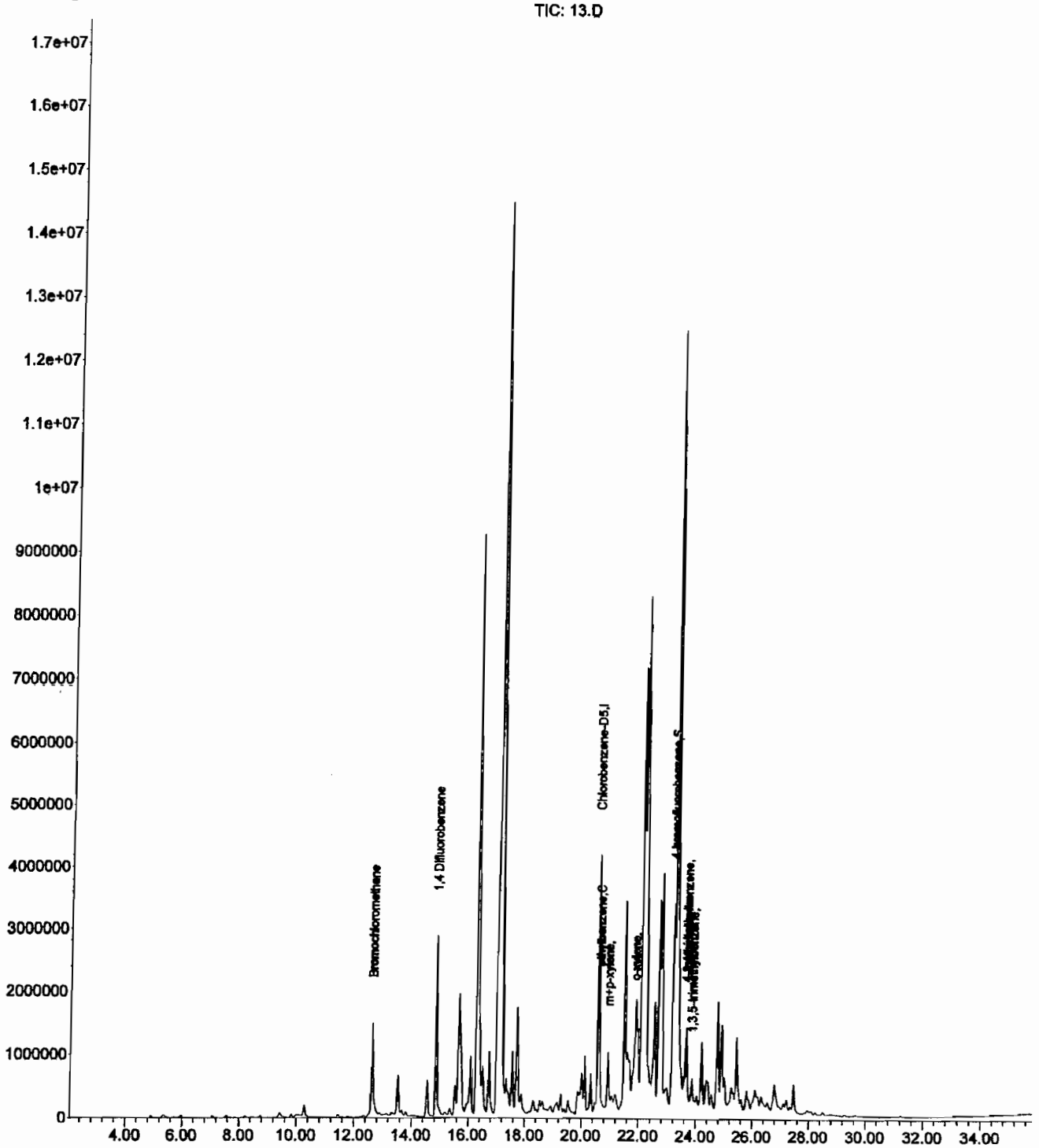
Data File : C:\HPCHEM\1\DATA\30\13.D
Acq On : 20 Mar 2007 3:44 pm
Sample : MS-5 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:47 2007

Vial: 13
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 13.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\14.D
Acq On : 21 Mar 2007 2:55 am
Sample : MS-5 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:48 2007

Vial: 14
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	0.00	128	0m	50.00 ppb		-12.59
28) 1,4 Difluorobenzene	14.88	114	78647056	50.00 ppb		0.06
40) Chlorobenzene-D5	20.61	117	63196219	50.00 ppb		0.06
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.21	95	29243985	38.66 ppb		0.06
Target Compounds						Qvalue
16) Hexane	10.31	57	340337	Below Cal		96
29) Bromodichloromethane	15.77	83	125411	Below Cal	#	30
38) Methyl Isobutyl Ketone	18.27	58	178986	Below Cal	#	100
39) tetrachloroethene	18.35	166	102904440	60.31 ppb		100

(#) = qualifier out of range (m) = manual integration

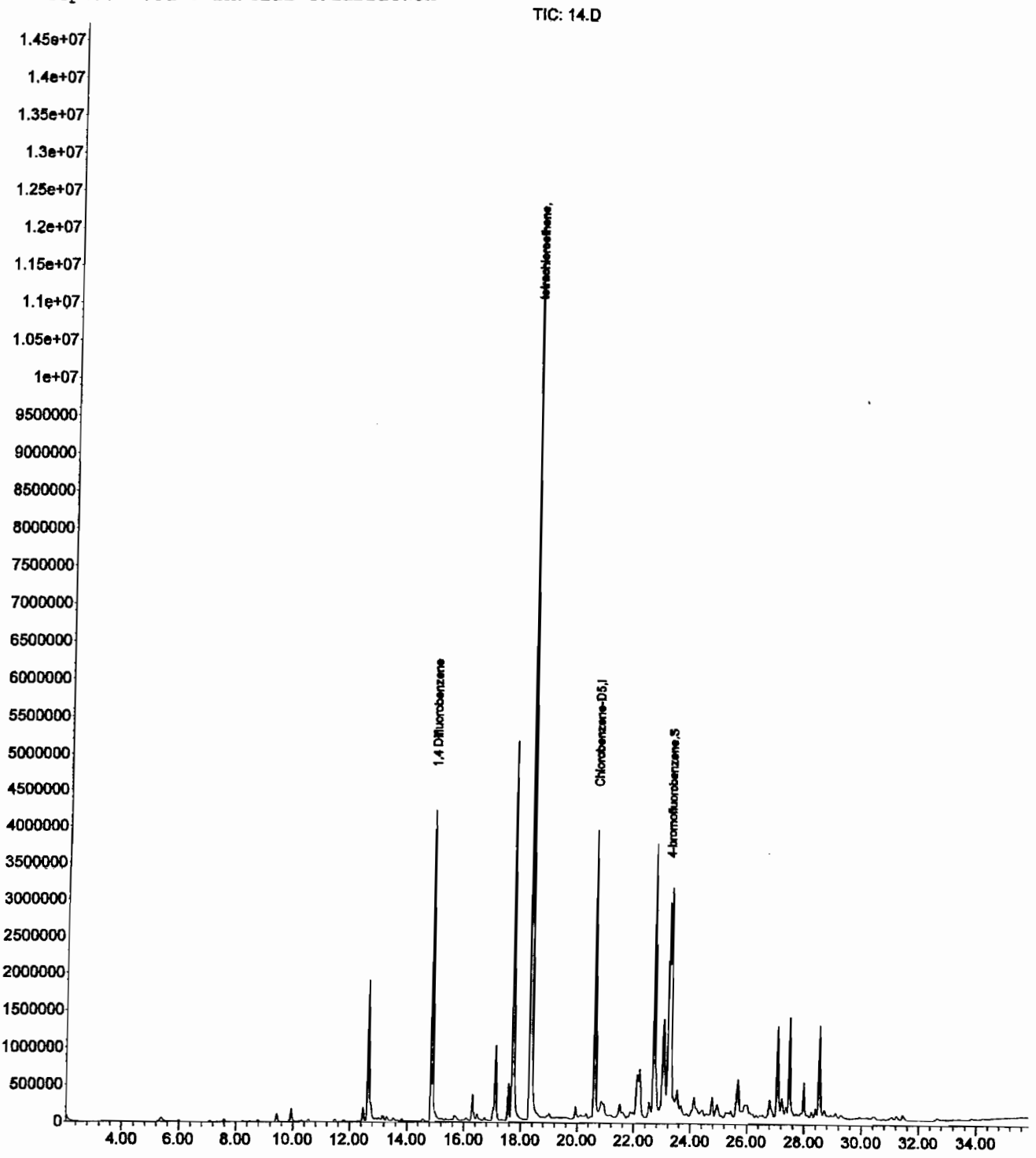
Quantitation Report

Data File : C:\HPCHEM\1\DATA\30\14.D
Acq On : 21 Mar 2007 2:55 am
Sample : MS-5 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:48 2007

Vial: 14
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\15.D
Acq On : 21 Mar 2007 3:52 am
Sample : MS-6 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:51 2007

Vial: 15
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
19) Bromochloromethane	12.65	128	17594680	50.00 ppb	0.06
28) 1,4 Difluorobenzene	14.88	114	79925812	50.00 ppb	0.05
40) Chlorobenzene-D5	20.61	117	60623441	50.00 ppb	0.06
System Monitoring Compounds					
47) 4-bromofluorobenzene	23.21	95	31063539	42.81 ppb	0.06
Target Compounds					Qvalue
16) Hexane	10.30	57	358586	Below Cal	# 76
20) Ethyl Acetate	12.95	61	76357	Below Cal	# 5
22) 2-Butanone	13.17	97	29542	Below Cal	91
23) Heptane	13.68	71	136655	Below Cal	# 71
38) Methyl Isobutyl Ketone	18.31	58	112293	Below Cal	# 100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

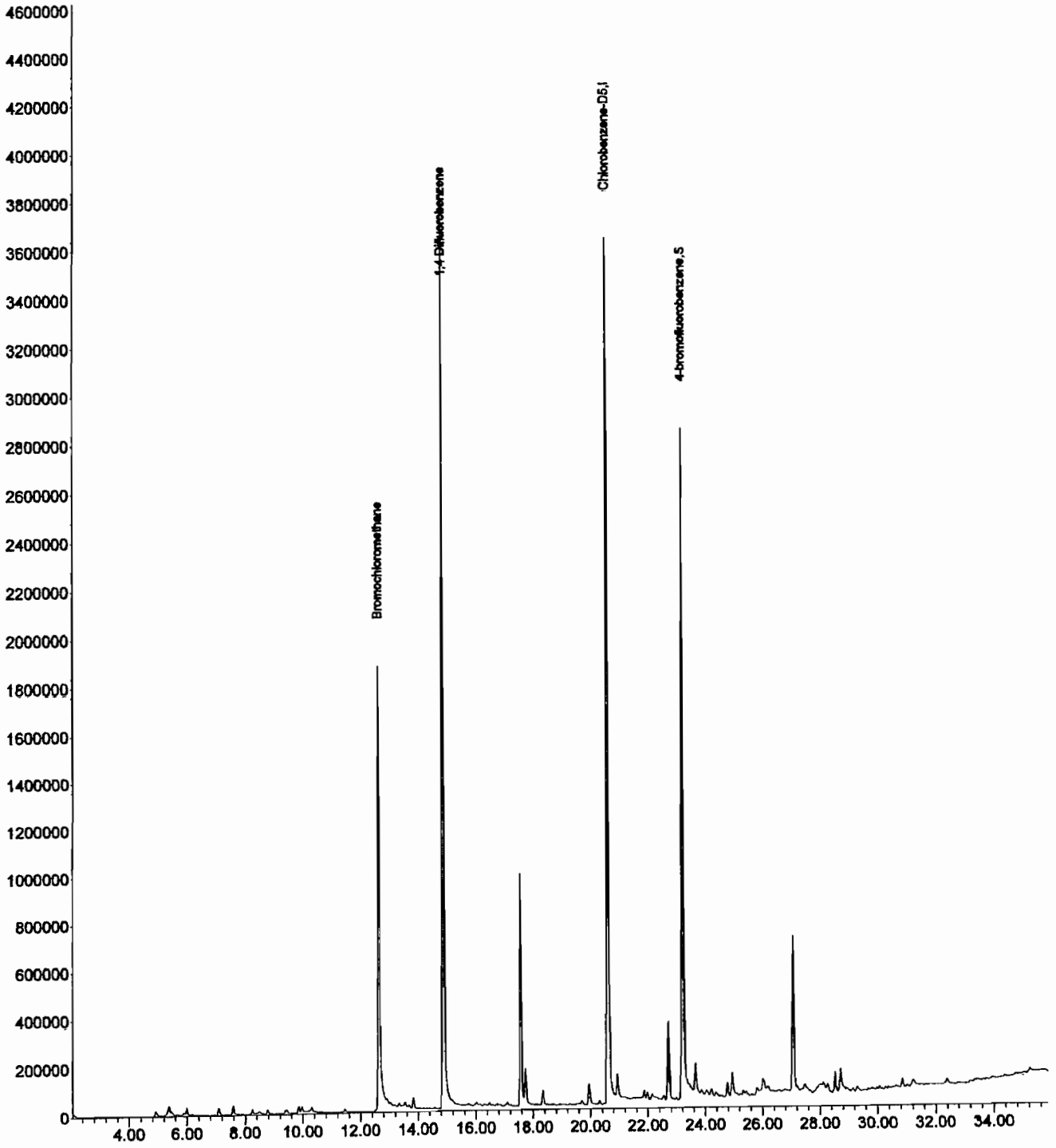
Data File : C:\HPCHEM\1\DATA\30\15.D
Acq On : 21 Mar 2007 3:52 am
Sample : MS-6 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:51 2007

Vial: 15
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 15.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\16.D
Acq On : 21 Mar 2007 4:49 am
Sample : MS-6SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:52 2007

Vial: 16
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.65	128	19927179	50.00 ppb		0.05
28) 1,4 Difluorobenzene	14.87	114	87909990	50.00 ppb		0.05
40) Chlorobenzene-D5	20.60	117	72055804	50.00 ppb		0.05
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.20	95	35581272	41.26 ppb		0.05
Target Compounds						Qvalue
16) Hexane	10.30	57	683060	Below Cal		90
22) 2-Butanone	13.16	97	1162043	Below Cal		94
23) Heptane	13.68	71	147140	Below Cal	#	1
27) trichloroethene	14.87	95	2542903	2.11 ppb		12
29) Bromodichloromethane	15.77	83	659652	Below Cal	#	30
38) Methyl Isobutyl Ketone	18.28	58	100963	Below Cal	#	100
39) tetrachloroethene	18.34	166	42395151	22.23 ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

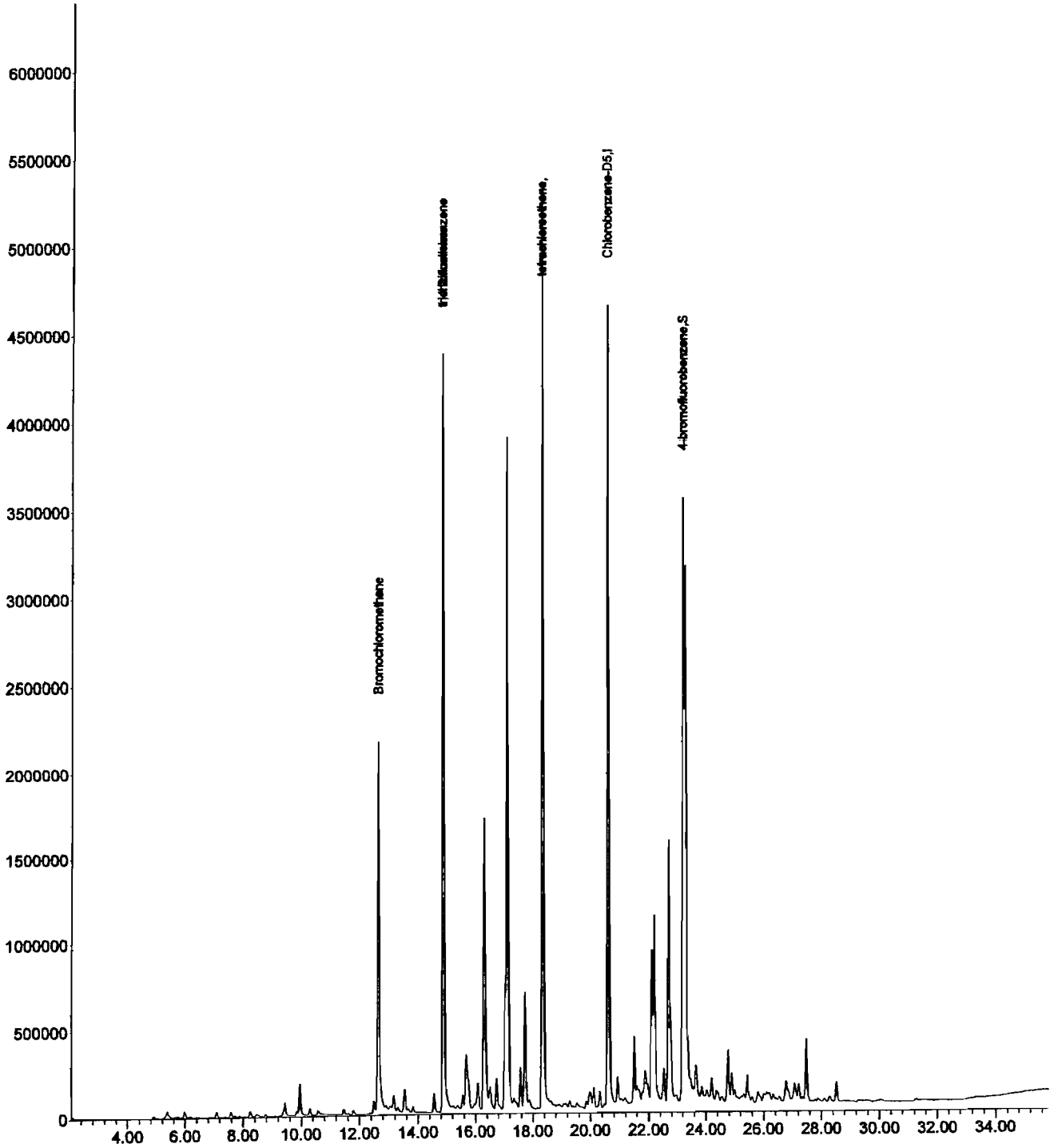
Data File : C:\HPCHEM\1\DATA\30\16.D
Acq On : 21 Mar 2007 4:49 am
Sample : MS-6SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:52 2007

Vial: 16
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 16.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\17.D
Acq On : 21 Mar 2007 5:46 am
Sample : OA-1 OUTDDOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:54 2007

Vial: 17
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.65	128	17354010	50.00 ppb		0.06
28) 1,4 Difluorobenzene	14.87	114	78069672	50.00 ppb		0.05
40) Chlorobenzene-D5	20.60	117	60321288	50.00 ppb		0.05
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.20	95	29795363	41.27 ppb		0.05
Target Compounds						Qvalue
16) Hexane	10.30	57	371254	Below Cal		86
20) Ethyl Acetate	12.94	61	41888	Below Cal	#	1
22) 2-Butanone	13.16	97	41626	Below Cal	#	20
23) Heptane	13.68	71	152095	Below Cal		95
38) Methyl Isobutyl Ketone	18.33	58	109261	Below Cal	#	100

(#) = qualifier out of range (m) = manual integration

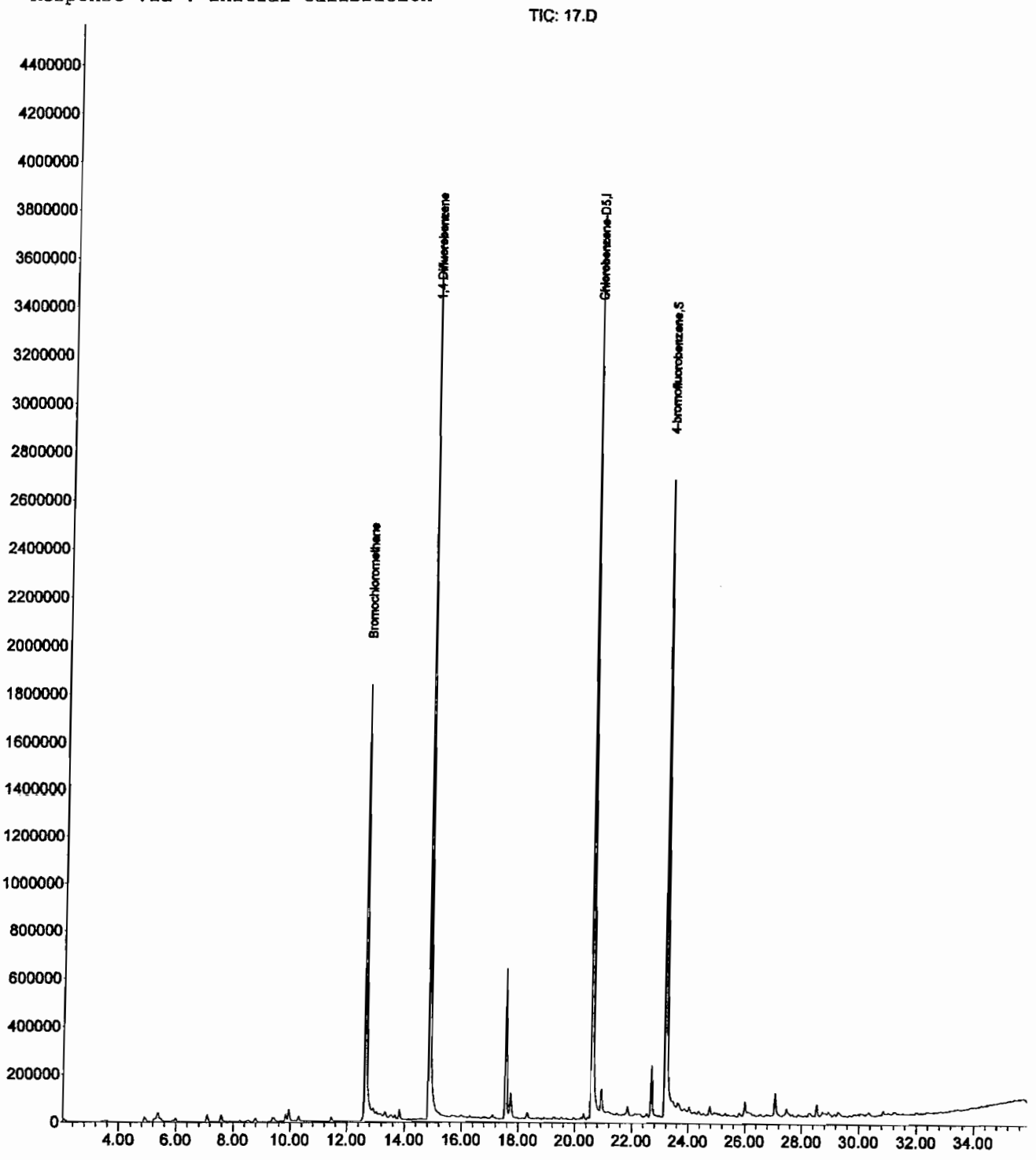
Quantitation Report

Data File : C:\HPCHEM\1\DATA\30\17.D
Acq On : 21 Mar 2007 5:46 am
Sample : OA-1 OUTDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:54 2007

Vial: 17
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\18.D
Acq On : 21 Mar 2007 6:43 am
Sample : DUPLICATE 2
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:55 2007

Vial: 18
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.65	128	18175208	50.00 ppb		0.06
28) 1,4 Difluorobenzene	14.87	114	80377624	50.00 ppb		0.05
40) Chlorobenzene-D5	20.60	117	62379741	50.00 ppb		0.05
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.20	95	30241310	40.51 ppb		0.05
Target Compounds						Qvalue
16) Hexane	10.30	57	315521	Below Cal		100
20) Ethyl Acetate	12.94	61	39666	Below Cal	#	1
23) Heptane	13.68	71	111858	Below Cal	#	1
38) Methyl Isobutyl Ketone	18.30	58	80252	Below Cal	#	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

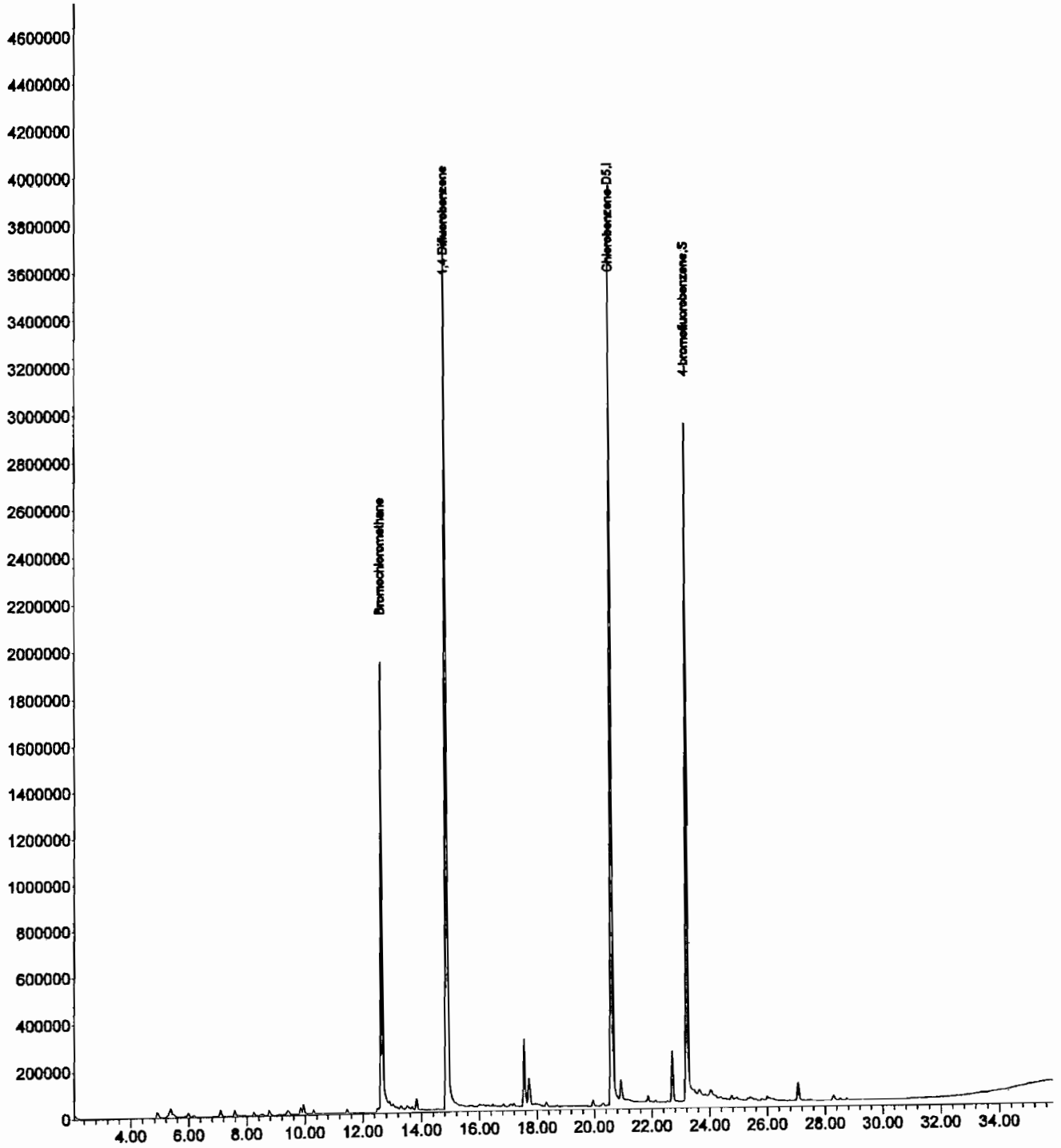
Data File : C:\HPCHEM\1\DATA\30\18.D
Acq On : 21 Mar 2007 6:43 am
Sample : DUPLICATE 2
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:55 2007

Vial: 18
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 18.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\19.D
Acq On : 21 Mar 2007 7:40 am
Sample : MS-1 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:56 2007

Vial: 19
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.64	128	16928146	50.00 ppb		0.05
28) 1,4 Difluorobenzene	14.87	114	78362867	50.00 ppb		0.05
40) Chlorobenzene-D5	20.60	117	64843974	50.00 ppb		0.05
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.21	95	32017232	41.25 ppb		0.06
Target Compounds						Qvalue
20) Ethyl Acetate	12.94	61	44578	Below Cal	#	1
22) 2-Butanone	13.16	97	27954	Below Cal	#	20
23) Heptane	13.67	71	464652	Below Cal	#	1
43) m+p-xylene	20.94	106	7178991	4.40 ppb		89
45) o-xylene	21.88	106	3017009	3.21 ppb		87
48) 4-methyltoluene	23.65	106	1628592	8.46 ppb	#	1
49) 1,3,5-trimethylbenzene	23.87	105	6308459	3.68 ppb		88
50) 1,2,4-trimethylbenzene	23.66	105	18839625	9.92 ppb	#	79

(#) = qualifier out of range (m) = manual integration

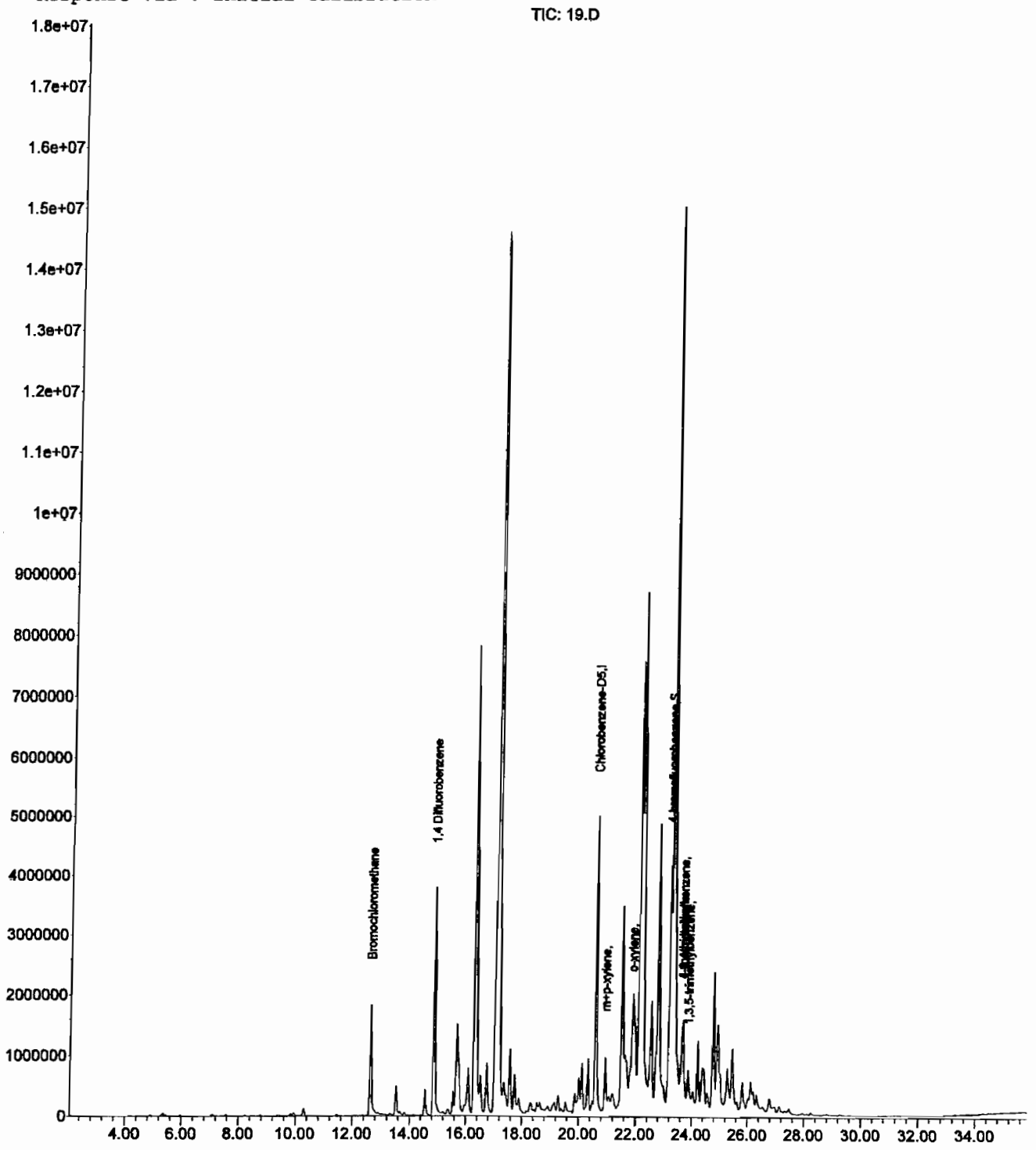
Quantitation Report

Data File : C:\HPCHEM\1\DATA\30\19.D
Acq On : 21 Mar 2007 7:40 am
Sample : MS-1 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:56 2007

Vial: 19
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\20.D
Acq On : 21 Mar 2007 9:04 am
Sample : MS-1 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:59 2007

Vial: 20
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.64	128	20553985	50.00	ppb		0.05
28) 1,4 Difluorobenzene	14.87	114	91107672	50.00	ppb		0.04
40) Chlorobenzene-D5	20.60	117	74173459	50.00	ppb		0.05
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.21	95	38497716	43.37	ppb		0.06
Target Compounds							Qvalue
22) 2-Butanone	13.15	97	37032	Below Cal		#	20
23) Heptane	13.67	71	656702	Below Cal		#	1
34) Dibromochloromethane	19.29	129	32578	Below Cal		#	1
42) ethylbenzene	20.65	106	1707693	1.91	ppb		100
43) m+p-xylene	20.94	106	8374415	4.49	ppb		90
45) o-xylene	21.88	106	3454397	3.21	ppb		86
48) 4-methyltoluene	23.66	106	1516451	6.88	ppb	#	1
49) 1,3,5-trimethylbenzene	23.87	105	5145669	2.63	ppb	#	85
50) 1,2,4-trimethylbenzene	23.66	105	17275406	7.95	ppb	#	79

(#) = qualifier out of range (m) = manual integration

Quantitation Report

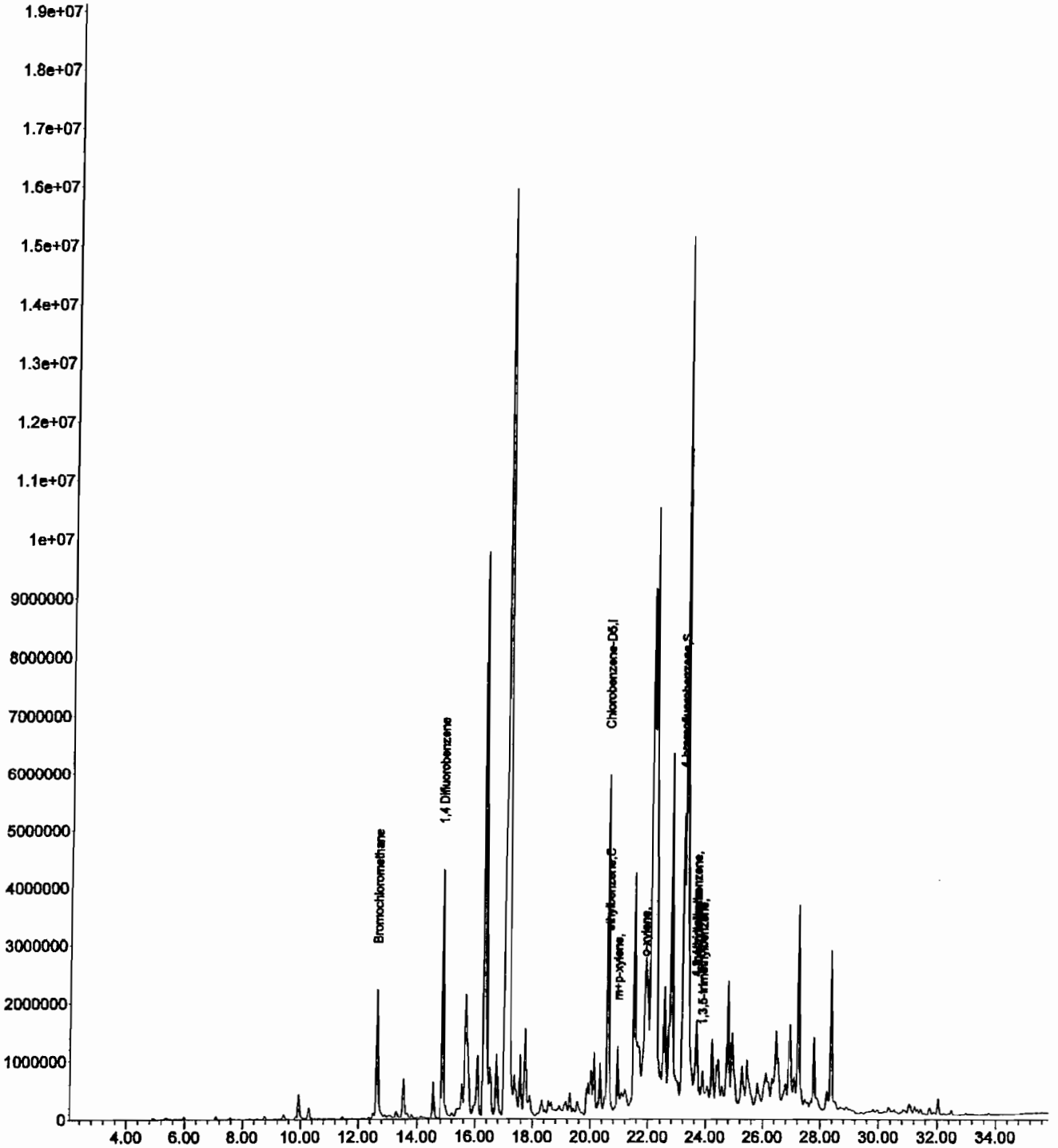
Data File : C:\HPCHEM\1\DATA\30\20.D
Acq On : 21 Mar 2007 9:04 am
Sample : MS-1 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 18:59 2007

Vial: 20
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 20.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\21.D
Acq On : 22 Mar 2007 1:08 am
Sample : MS-2 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:00 2007

Vial: 21
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
19) Bromochloromethane	12.62	128	19576254	50.00 ppb		0.03
28) 1,4 Difluorobenzene	14.85	114	84149056	50.00 ppb		0.03
40) Chlorobenzene-D5	20.58	117	65806737	50.00 ppb		0.02
System Monitoring Compounds						
47) 4-bromofluorobenzene	23.18	95	29880628	37.94 ppb		0.02
Target Compounds						Qvalue
16) Hexane	10.28	57	331641	Below Cal		92
20) Ethyl Acetate	12.90	61	67355	Below Cal	#	1
22) 2-Butanone	13.13	97	61432	Below Cal	#	1
23) Heptane	13.65	71	167587	Below Cal	#	68

(#) = qualifier out of range (m) = manual integration

Quantitation Report

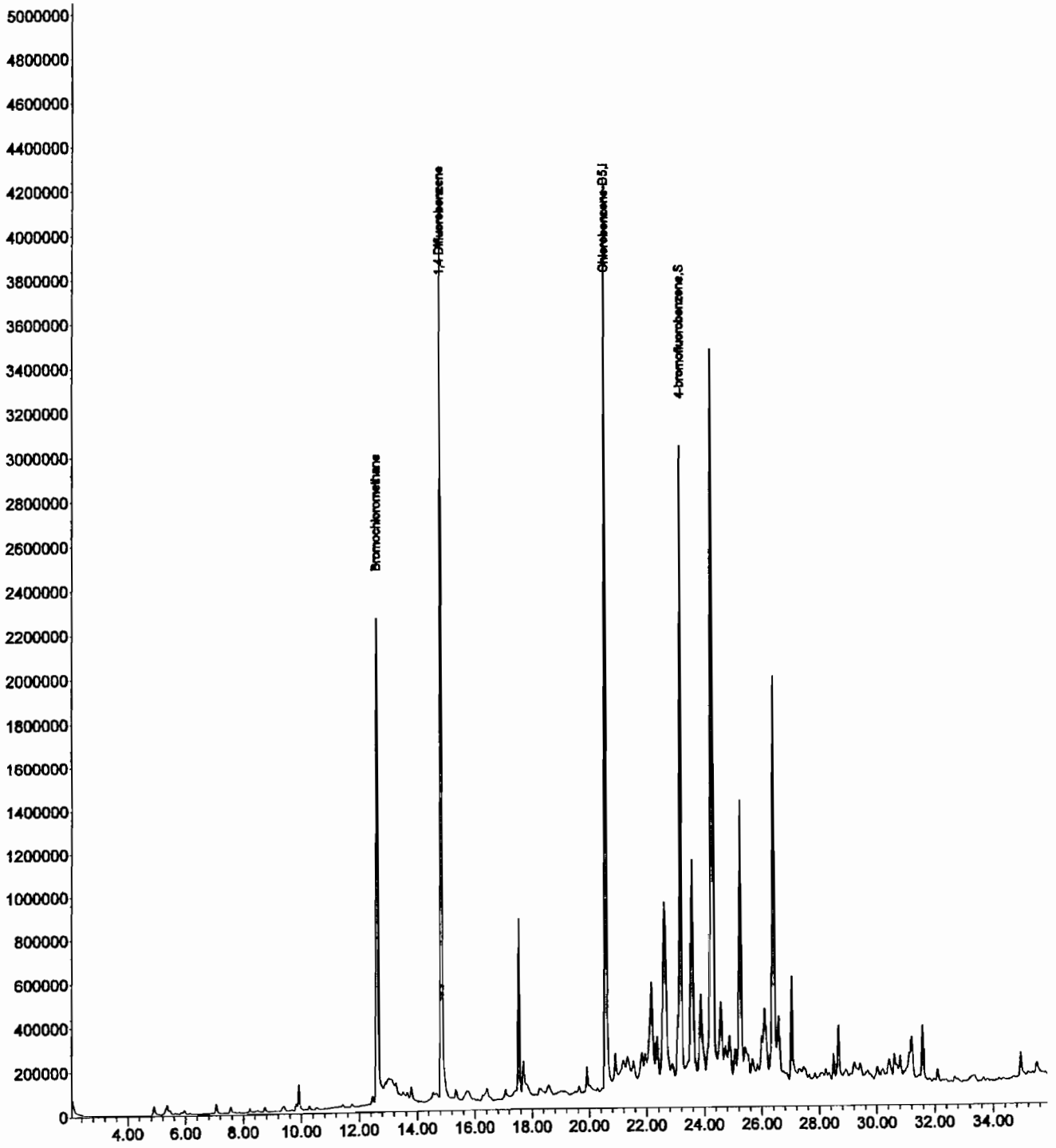
Data File : C:\HPCHEM\1\DATA\30\21.D
Acq On : 22 Mar 2007 1:08 am
Sample : MS-2 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:00 2007

Vial: 21
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 21.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\22.D
Acq On : 22 Mar 2007 2:15 am
Sample : MS-2 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:02 2007

Vial: 22
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.62	128	21240637	50.00	ppb		0.03
28) 1,4 Difluorobenzene	14.85	114	92741614	50.00	ppb		0.02
40) Chlorobenzene-D5	20.58	117	74554672	50.00	ppb		0.03
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.18	95	38918365	43.62	ppb		0.03
Target Compounds							Qvalue
16) Hexane	10.28	57	1497362	Below Cal			95
20) Ethyl Acetate	12.90	61	54864	Below Cal		#	1
22) 2-Butanone	13.12	97	36013	Below Cal		#	20
23) Heptane	13.65	71	350529	Below Cal		#	1
29) Bromodichloromethane	15.74	83	1688682	Below Cal		#	30
48) 4-methyltoluene	23.63	106	587806	2.65	ppb	#	1
50) 1,2,4-trimethylbenzene	23.62	105	6764462	3.10	ppb	#	79

(#) = qualifier out of range (m) = manual integration

Quantitation Report

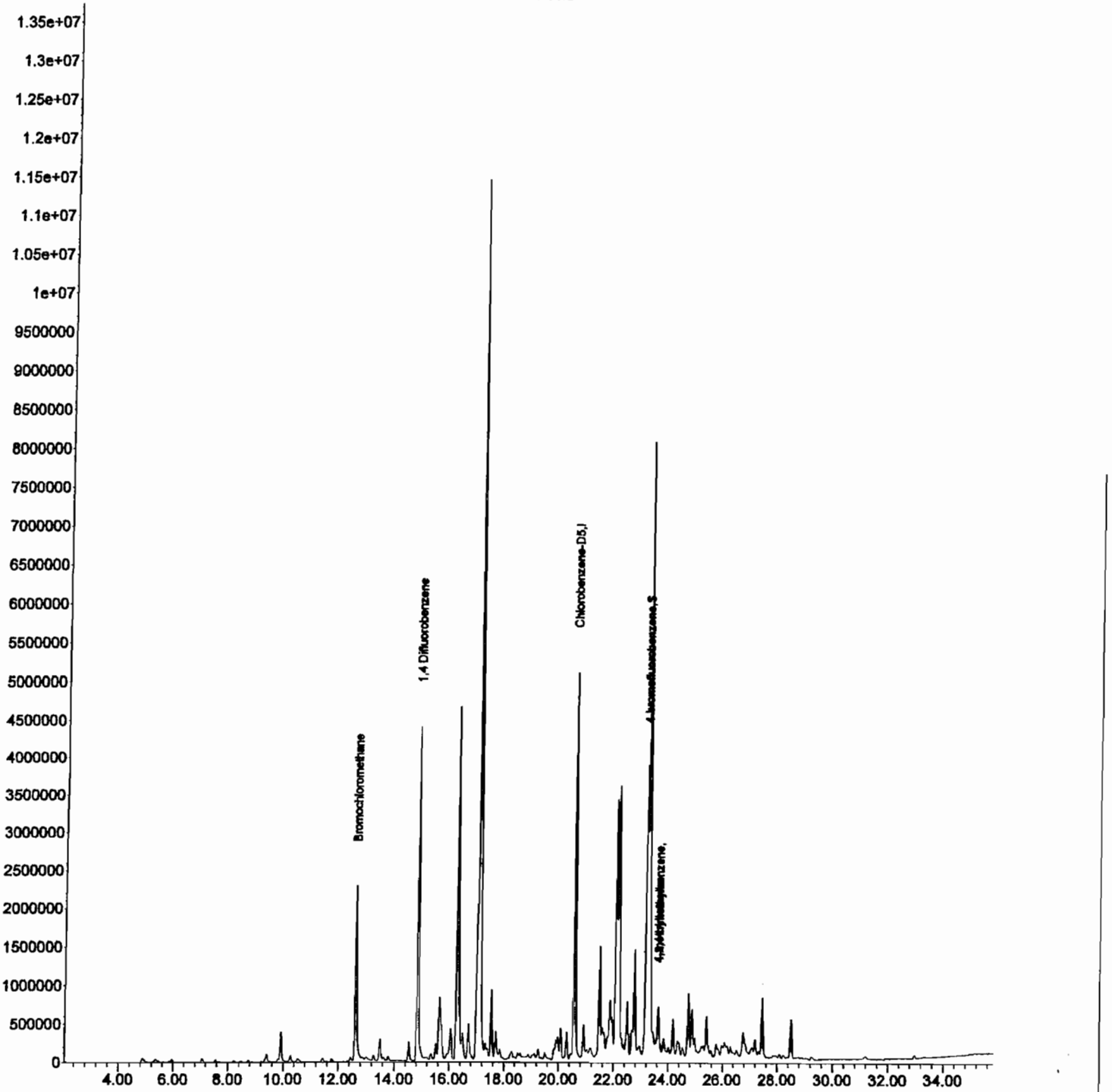
Data File : C:\HPCHEM\1\DATA\30\22.D
Acq On : 22 Mar 2007 2:15 am
Sample : MS-2 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:02 2007

Vial: 22
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 22.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\23.D Vial: 23
Acq On : 22 Mar 2007 3:12 am Operator: Chris Domaradzki
Sample : DUPLICATE 1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Nov 27 19:04 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.62	128	18514655	50.00	ppb		0.03
28) 1,4 Difluorobenzene	14.85	114	84062448	50.00	ppb		0.02
40) Chlorobenzene-D5	20.58	117	68027934	50.00	ppb		0.03
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.19	95	31178891	38.29	ppb		0.04
Target Compounds							Qvalue
20) Ethyl Acetate	12.91	61	54651	Below Cal		#	1
22) 2-Butanone	13.12	97	30347	Below Cal		#	20
23) Heptane	13.65	71	842708	Below Cal		#	1
42) ethylbenzene	20.63	106	2163125	2.63	ppb		100
43) m+p-xylene	20.92	106	10759976	6.29	ppb		89
45) o-xylene	21.86	106	4375062	4.44	ppb		84
48) 4-methyltoluene	23.64	106	2008159	9.94	ppb	#	1
49) 1,3,5-trimethylbenzene	23.85	105	6869277	3.82	ppb		88
50) 1,2,4-trimethylbenzene	23.64	105	23106759	11.59	ppb	#	79

(#) = qualifier out of range (m) = manual integration

Quantitation Report

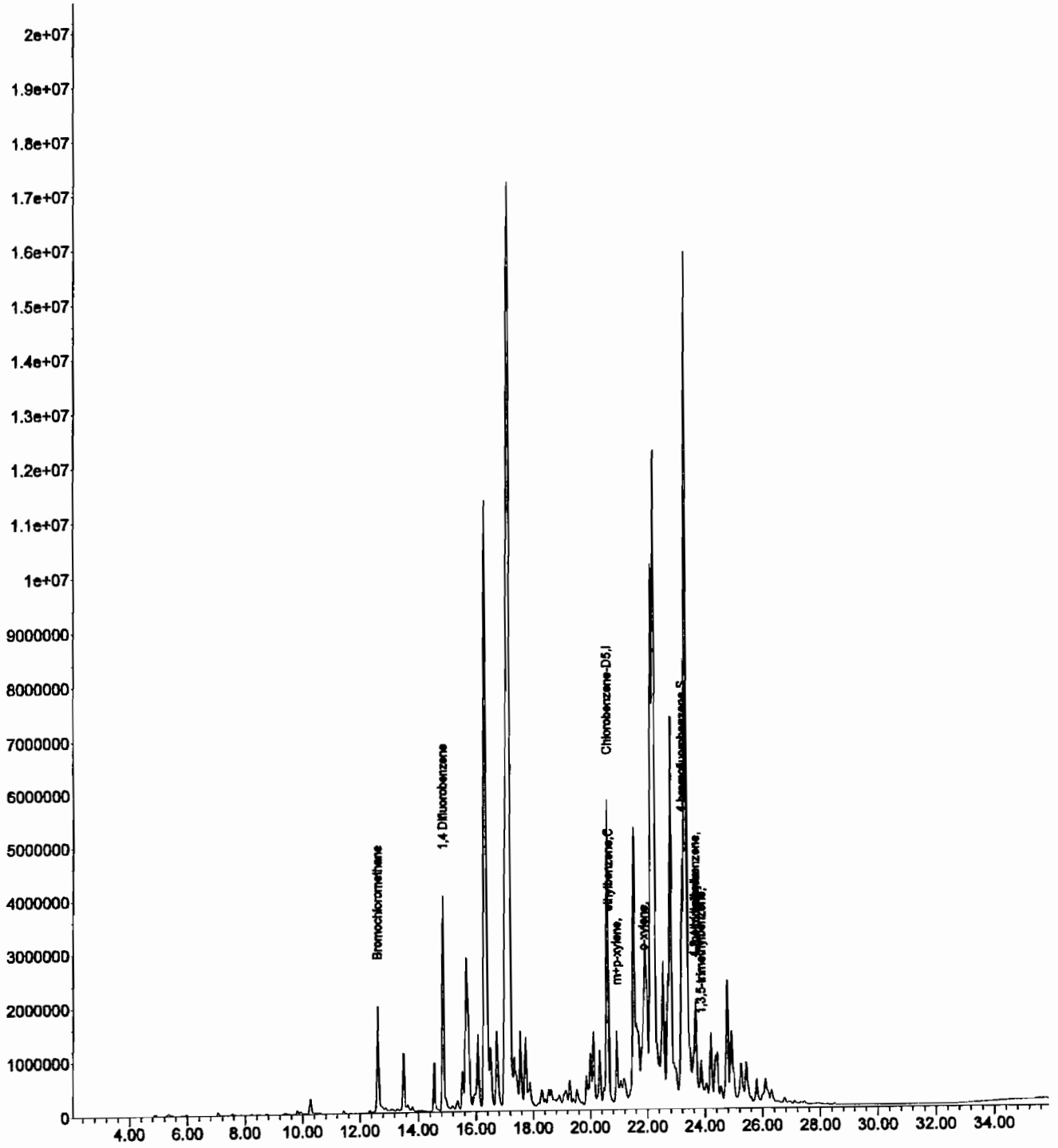
Data File : C:\HPCHEM\1\DATA\30\23.D
Acq On : 22 Mar 2007 3:12 am
Sample : DUPLICATE 1
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:04 2007

Vial: 23
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 23.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\9.D
Acq On : 20 Mar 2007 11:54 am
Sample : MS-4 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:06 2007

Vial: 9
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	15.47	128	16402171m	50.00	ppb		2.88
28) 1,4 Difluorobenzene	17.67	114	70235213m	50.00	ppb		2.85
40) Chlorobenzene-D5	23.85	117	60695525m	50.00	ppb		3.30
System Monitoring Compounds							
47) 4-bromofluorobenzene	27.19	95	32269123m	44.42	ppb		4.04
Target Compounds							Qvalue
29) Bromodichloromethane	15.53	83	344226	Below Cal			93
34) Dibromochloromethane	18.71	129	35477	Below Cal			92
35) toluene	15.47	92	428731	24.22	ppb	#	1
48) 4-methyltoluene	23.86	106	1555244	8.63	ppb	#	11

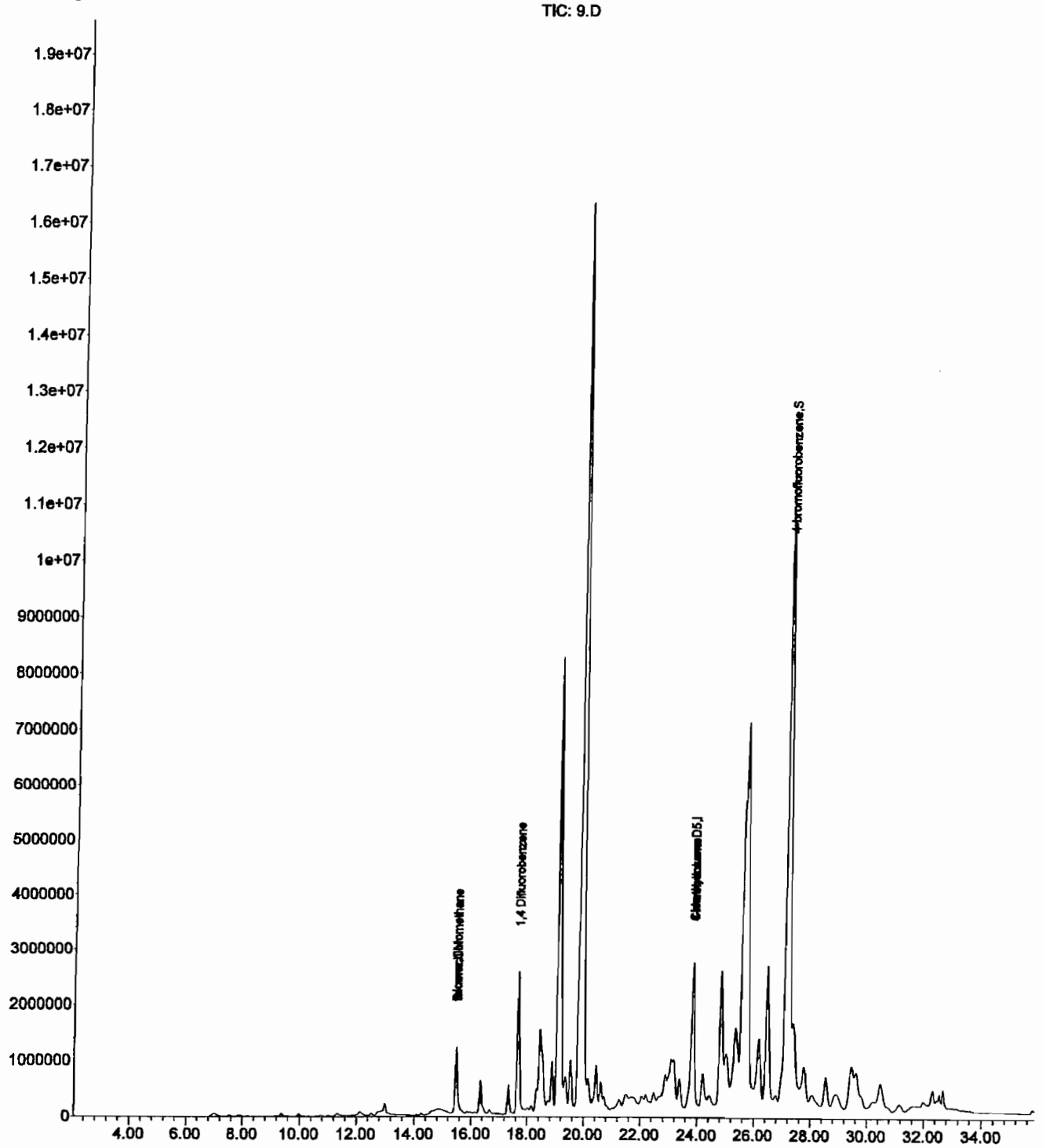
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\30\9.D
Acq On : 20 Mar 2007 11:54 am
Sample : MS-4 INDOOR
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:06:2007

Vial: 9
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 9.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\10.D
Acq On : 20 Mar 2007 12:52 pm
Sample : MS-4 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:07 2007

Vial: 10
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.63	128	14135861	50.00	ppb		0.04
28) 1,4 Difluorobenzene	14.86	114	58660833	50.00	ppb		0.03
40) Chlorobenzene-D5	20.59	117	48426072	50.00	ppb		0.04
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.19	95	27170503	46.88	ppb		0.04
Target Compounds							Qvalue
16) Hexane	10.28	57	585729	Below Cal			98
20) Ethyl Acetate	12.93	61	83172	Below Cal		#	5
22) 2-Butanone	13.14	97	193231	Below Cal			85
23) Heptane	13.66	71	329341	Below Cal			92
29) Bromodichloromethane	15.89	83	220673	Below Cal		#	30
34) Dibromochloromethane	19.04	129	239501	Below Cal		#	45

(#) = qualifier out of range (m) = manual integration

Quantitation Report

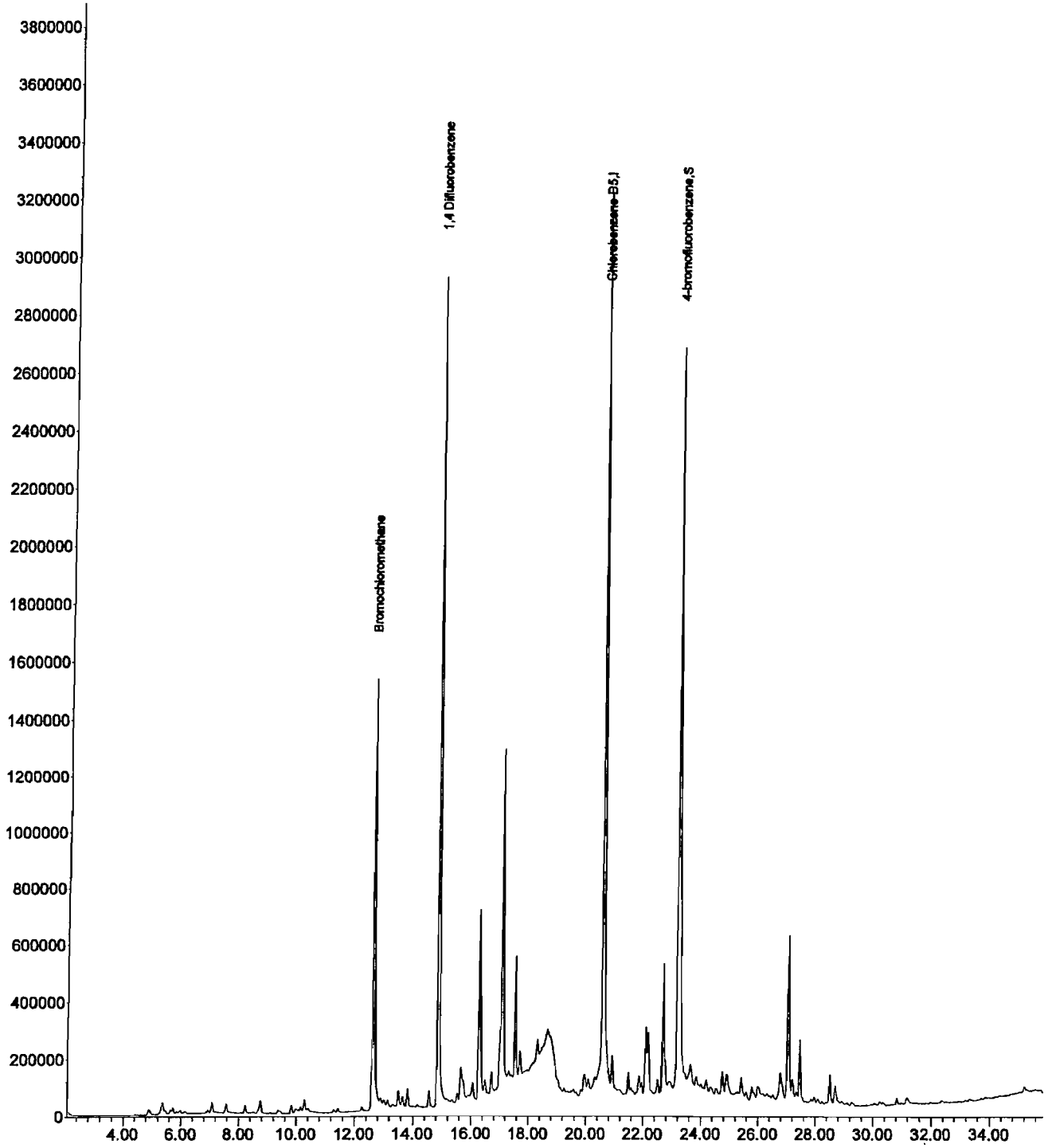
Data File : C:\HPCHEM\1\DATA\30\10.D
Acq On : 20 Mar 2007 12:52 pm
Sample : MS-4 SUBSLAB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:07 2007

Vial: 10
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration

TIC: 10.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\11.D Vial: 11
Acq On : 20 Mar 2007 1:49 pm Operator: Chris Domaradzki
Sample : MS-3 INDOOR Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Mar 24 13:58 2007 Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Bromochloromethane	32.91	128	14996956	50.00	ppb	20.32
28) 1,4 Difluorobenzene	33.12	114	58191550	50.00	ppb	18.29
40) Chlorobenzene-D5	33.68	117	41907754	50.00	ppb	13.13
System Monitoring Compounds						
47) 4-bromofluorobenzene	33.97	95	23392042	46.64	ppb	10.82

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
11.D TO151.M Tue Nov 27 19:09:23 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\30\12.D
Acq On : 20 Mar 2007 2:47 pm
Sample : MS-3 SUBSLB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:11 2007

Vial: 12
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TO15.RES

Quant Method : C:\HPCHEM\1\METHODS\TO15.M (Chemstation Integrator)
Title :
Last Update : Sat Mar 24 06:29:17 2007
Response via : Initial Calibration
DataAcq Meth : TO15

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
19) Bromochloromethane	12.63	128	14533558	50.00	ppb		0.04
28) 1,4 Difluorobenzene	14.86	114	60955602	50.00	ppb		0.04
40) Chlorobenzene-D5	20.59	117	51075877	50.00	ppb		0.04
System Monitoring Compounds							
47) 4-bromofluorobenzene	23.20	95	29322102	47.97	ppb		0.05
Target Compounds							Qvalue
20) Ethyl Acetate	12.92	61	80598	Below Cal		#	1
22) 2-Butanone	13.15	97	148166	Below Cal		#	20
23) Heptane	13.66	71	455952	Below Cal		#	1
34) Dibromochloromethane	19.04	129	208113	Below Cal		#	41
43) m+p-xylene	20.93	106	4399536	3.42	ppb		89
45) o-xylene	21.87	106	1839565	2.48	ppb		84
48) 4-methyltoluene	23.64	106	741391	4.89	ppb	#	1
49) 1,3,5-trimethylbenzene	23.86	105	2738789	2.03	ppb		90
50) 1,2,4-trimethylbenzene	23.64	105	8348304	5.58	ppb	#	79

(#) = qualifier out of range (m) = manual integration

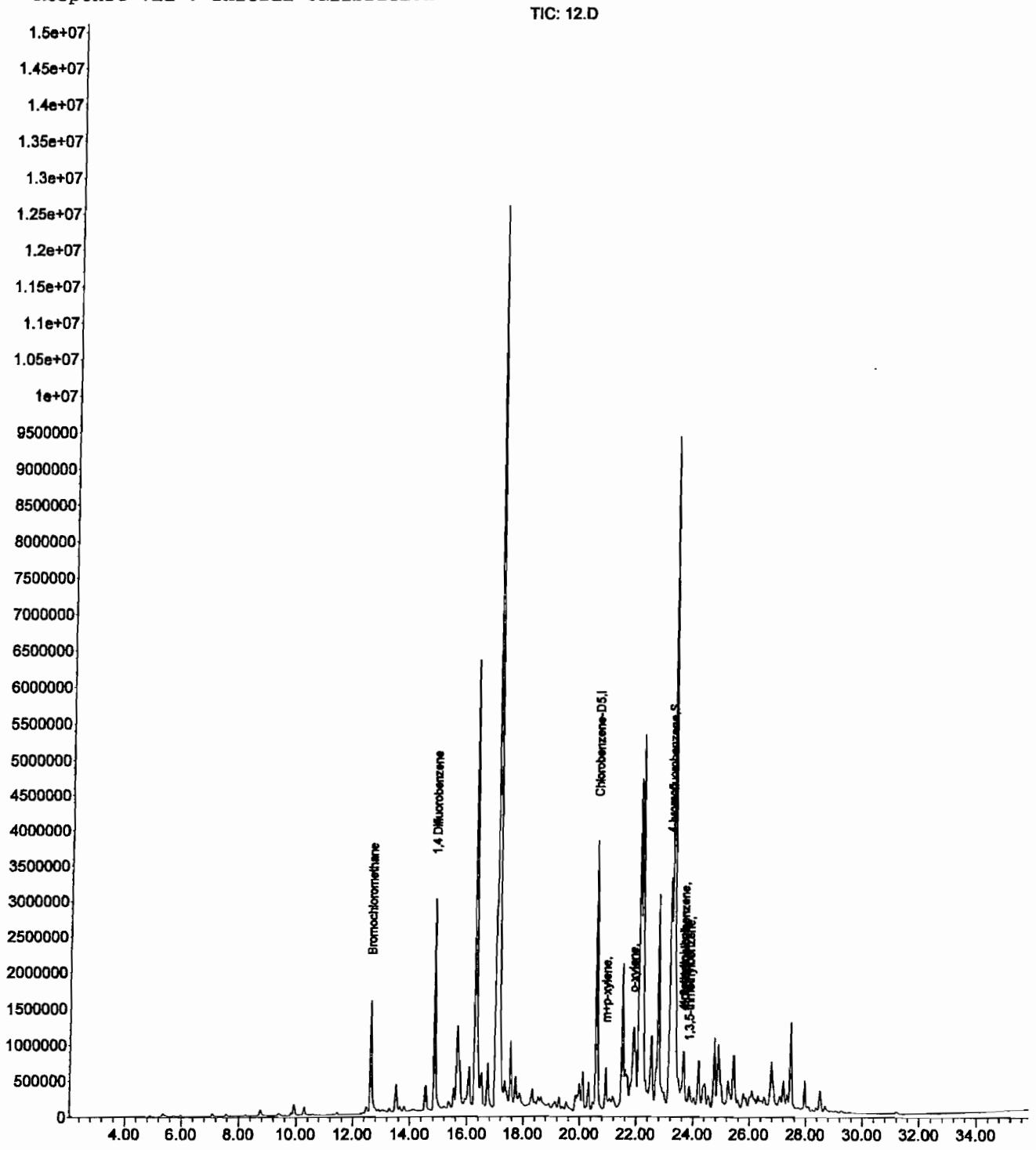
Quantitation Report

Data File : C:\HPCHEM\1\DATA\30\12.D
Acq On : 20 Mar 2007 2:47 pm
Sample : MS-3 SUBSLB
Misc :
MS Integration Params: events.e
Quant Time: Nov 27 19:11 2007

Vial: 12
Operator: Chris Domaradzki
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TO15.RES

Method : C:\HPCHEM\1\METHODS\TO151.M (Chemstation Integrator)
Title :
Last Update : Fri Nov 16 11:24:45 2007
Response via : Initial Calibration



APPENDIX C

Detected Compound Chemical Uses in Consumer Products, Building Materials, or Furnishings that Contribute to Indoor Air Pollution

Data Usability Summary Report

This Data Usability Summary Report (DUSR) has been prepared in accordance with the NYSDEC Draft DER-10 Appendix 2B Guidance for the Development of Data Usability Summary Reports. The DUSR provides a thorough evaluation of analytical data without using the services of an independent third party data validator. The primary objective of the DUSR is to determine whether or not the data presented meets project specific criteria for data quality and use.

The analytical data were evaluated by Ms. Susan Satterthwaite (Walden), whose experience and qualifications to prepare the DUSR for this project are presented in the attached resume. The samples collected for laboratory analysis as part of the Frost Street Sites soil vapor intrusion investigation were submitted to United Chemists of Farmingdale, New York, a NYSDOH ELAP certified laboratory, and analyzed for VOCs using USEPA Method TO-15 with the analytical detection limits set forth in the NYSDOH guidance document. The DUSR process consisted of evaluating the analytical data package produced by United Chemists and answering the following questions.

1. **Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?**

   The sampling and analytical program outlined in the *Work Plan for On-Site Vapor Intrusion Investigation, Frost Street Inactive Hazardous Waste Disposal Sites, New Cassel Industrial Area, Westbury, NY* (SVI Investigation Work Plan, Sterling Environmental Engineering, P.C., August 9, 2006, revised February 9, 2007) was designed to conform to the NYSDEC ASP Category B and USEPA CLP deliverables criteria. Both field sampling and laboratory analytical activities were performed with built-in QA/QC programs. Duplicate samples were collected at a minimum of one sample per ten samples collected. The analytical laboratory (United Chemists)

included method blanks as part of their standard QA/QC program. Additionally, the samples were handled in compliance with the holding time allowances.

2. **Have all holding times been met?**

   Times of sample receipt, extraction, and analysis have been inspected to determine whether the holding time specifications have been met. All of the samples were analyzed within the specified holding times.

3. **Do all QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls, and sample data fall within the protocol required limits and specifications.**

   All of the QC data and sample data (including field blanks and trip blanks) were reviewed. The data evaluation indicated that all of the data meets the protocol required limits and specifications.

4. **Have all the data been generated using established and agreed upon analytical protocols?**

   Laboratory analytical protocols have been developed by the USEPA and are published in USEPA Compendium Method TO-15 (Determination of Volatile Organic Compounds in Air Collected in Specially Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry). The review of the laboratory deliverables indicated that the analytical data for this project was generated following these standard protocols.

5. **Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?**

An evaluation of the raw data confirmed the accuracy of the results provided in the data summary sheets and the quality control verification forms included in the analytical data package prepared by the laboratory.

6. Have the correct data qualifiers been used?

The laboratory provided a list of qualifiers used in their data reporting. QC failures such as matrix spike recoveries, surrogate recoveries, or detection below the reporting limit were checked back to the reported data to determine whether the qualifiers were properly used. The evaluation indicated that the laboratory flagged the data using the correct data qualifiers when necessary. The data qualifiers comply with the NYSDEC ASP 95 revised guidelines.

In summary, analytical data package review conducted when preparing this DUSR found no data deficiencies, analytical protocol deviations, or quality control problems that impact the quality of the data. No QC exceedances were identified and it was determined that none of the data should be rejected. Therefore, there is no need for resampling or reanalysis based on the evaluation presented herein.

Prepared By:
Susan Satterthwaite, B.S.

WALDEN ASSOCIATES

Susan Sattherthwaite
Project Hydrogeologist

TECHNICAL SPECIALTIES:
Water and Air Sample Laboratory Analysis, QA/QC & Data Validation, Groundwater and Soil Investigations, Phase I and Phase II Environmental Site Assessments, Petroleum UST/AST Closure Assessments, Core Logging, Remedial System Design, Construction and Oversight, Regulatory Compliance

EXPERIENCE SUMMARY:
Ms. Satterthwaite has 6 years experience with water and air sample laboratory analysis/analytical data validation, underground storage tank (UST) corrective action projects, Phase I and II environmental site assessments and has designed, installed and maintained various types of soil and groundwater remediation systems.

CREDENTIALS:
B.S. in Geology, University of Alberta

KEY PROJECTS:

LABORATORY ANALYSIS, QA/QC & DATA VALIDATION

- Syncrude Groundwater Sample Analysis - Worked in environmental laboratory and ran analysis on all in-house water samples for parameters such as VOCs, semi-VOCs, nitrates/nitrites, metals, BOD, COD, sulfates and phenols. Laboratory data validation / analytical comparison of data for duplicate samples run for analysis by outside laboratory.

- Maxxam Analytics Laboratory Work – Ran analysis for air samples on the gas chromatogram and mass spectrometer in the gas laboratory. Performed QA/QC checks on all air samples analyzed for carbon isotopes using the mass spectrometer. Ran analysis on water samples for parameters such as nitrates/nitrites and phenols in environmental laboratory.

- Worked as quality assurance officer on various projects and oversaw field sampling work and performed QA/QC checks on sampling/field procedures and analytical data/protocol. Reviewed field/analytical data for meeting set standards, making sure analytical MDLs were met, checking blanks and duplicates, and for duplication of comparable analytical results in cases where duplicate samples were run by two different laboratories, including for high priority projects in litigation.

REMEDIAL DESIGN

- Frost Street, Westbury, NY – Assisted in the design of a remedial curtain using groundwater circulation wells (GCW) based on UVB technology. Provided oversight for the development of two GCWs and conducted pumping tests to determine optimal system pumping rates. Calculated potential system efficiency based on the fluctuating groundwater conditions.

UST/AST CLOSURE ASSESSMENTS

- Durham Community Health Center, Durham, NC – Supervised tank removal and closure activities including the removal of impacted soil according to State regulations

- Private Residences, Various Locations in NC, SC, GA – Supervised tank removal and closure activities including the removal of impacted soil and registration with State Trust Funds according to State regulations

CONSTRUCTION/DRILLING OVERSIGHT

- BP Oil, Spartanburg, SC - Supervision and drilling oversight for installation of a dual phase extraction system (GWE/SVE System) at a terminal facility. Performed field screening and sampling of contaminated soils and groundwater to determine screened zones and well placement.

- BP Oil, Charlotte, NC – Supervision and drilling oversight for an in-situ oxygen curtains (ISOC) remediation system. Reviewed "as-built" plans and obtained permits from State regulators.

- TransMontaigne, Doraville, GA – Supervision and drilling oversight for installation of an SVE/Air Sparge system at a terminal facility. Performed field screening and sampling of contaminated soils and groundwater to determine screened zones and well placement. Reviewed "as-built" plans and obtained permits from State regulators.

- TransMontaigne, Montvale, VA – Supervision and drilling oversight for installation on an SVE/ Air Sparge system at a terminal facility. Performed field screening and sampling of contaminated soils and groundwater to determine screened zones and well placement. Reviewed "as-built" plans and obtained permits from State regulators.

PHASE II INVESTIGATIONS

- Conducted numerous Phase II investigations in GA, NC, SC, VA, MD, and DE. Conducted Geoprobe investigations and installed temporary monitoring wells to determine if contamination existed at various properties including commercial buildings, industrial parks, residential, manufacturing, vacant, and other types of properties. Obtained permits and followed State regulations.

PHASE I AUDITS

- Conducted various Phase I environmental site assessments/audits for various properties including commercial, industrial parks, residential, manufacturing, vacant, and other types of properties.

WALDEN ASSOCIATES

Susan Sattherthwaite
Project Hydrogeologist

REMEDIAL OPERATION & MAINTAINANCE

- Frost Street, Westbury NY- Performed operation and maintenance at SVE/Air Sparge system in PCE contaminated area. Performed quarterly sampling of groundwater monitoring wells and monthly air sampling.

- Greenfield Cemetery, Uniondale, NY - Performed operational and maintenance tasks associated with an SVE/Air Sparge system in BTEX contaminated area. Performed quarterly sampling of groundwater monitoring wells.

- BP Gas Station, Mebane, NC – Performed operation and maintenance tasks associated with an SVE/Air Sparge system in BTEX contaminated area. Performed quarterly sampling of groundwater monitoring wells and monthly air sampling. Prepared quarterly reports for State regulators and obtained operational permits.

- Manufacturing Facility, Tarboro, NC – Performed operation and maintenance tasks associated with a groundwater extraction system in a toluene and acetone contaminated area. Performed quarterly sampling of groundwater monitoring wells and monthly water discharge sampling. Prepared quarterly reports for State regulators and provided recommendations for site closure.

- Terminals and Gas Stations, Various Locations in GA, SC, NC, VA – Performed operation and maintenance task associated with SVE/Air Sparge systems in BTEX contaminated areas. Performed quarterly sampling of groundwater monitoring wells and monthly air sampling. Prepared quarterly reports for State regulators and provided recommendations for site closure.

APPENDIX D

SVI INVESTIGATION

Scorecard
THE POLLUTION INFORMATION SITE

Investigate Pollution Topics

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- Toxic Chemical Releases
- Lead Hazards
- Superfund

AIR
- Smog and Particulates
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WATER
- Clean Water Act
- Watershed Indicators

AGRICULTURE
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CHEMICAL PROFILES | Consumer Products

Chemical: 1,2,4-TRIMETHYLBENZENE
CAS Number: 95-63-6

What Kinds of Consumer Products May Contain This Chemical?

- Building and construction plastic foam insulation, incl pipe and block
- Flat water thinned interior paints and tinting bases
- Mineral wool building batts, blankets and rolls
- Miscellaneous paint-related products
- Non-wood upholstered office side and arm chairs
- Other rubber floor and wall coverings incl cove base, wainscotting, etc.
- Paint thinners
- Scatter rugs, bathmats, and sets (rugs 6 x 9 ft and smaller)
- Sheet vinyl flooring
- Wood office furniture
- Wood office secretarial chairs
- Wood office work surfaces (modular systems)

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CHEMICAL PROFILES|Consumer Products

Chemical: ETHYLBENZENE
CAS Number: 100-41-4

What Kinds of Consumer Products May Contain This Chemical?

- Aerosol paint concentrates
- Agricultural chemicals
- Auto, other transportation, and machinery refinish paints incl primers
- Automobile body polish and cleaners
- Bathroom tub and tile cleaners
- Building and construction plastic foam insulation, incl pipe and block
- Floor polish
- Furniture polish and cleaners
- Ground/traffic marking coatings
- Herbicides for agric., garden and health service use
- Insecticides for agric., garden and health service use
- Insecticides for crawling insects
- Insecticides for flying insects
- Laundry starch preparations
- Loose mineral wool fiber (blowing and pouring)
- Miscellaneous paint-related products
- Nonstructural caulking compounds and sealants
- Other automotive chemicals
- Other rubber floor and wall coverings incl cove base, wainscotting, etc.
- Other specialty cleaning and sanitation products
- Oven cleaners
- Paint and varnish removers
- Paint thinners
- Rug and upholstery cleaners
- Scatter rugs, bathmats, and sets (rugs 6 x 9 ft and smaller)
- Sheet vinyl flooring
- Solvent thinned exterior stains incl shingle and shake
- Solvent thinned exterior undercoaters and primers
- Solvent thinned interior clear finishes
- Solvent thinned interior stains
- Solvent thinned interior undercoaters and primers
- Waterproofing compounds
- Wood office furniture

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CHEMICAL PROFILES | Consumer Products

Chemical: MESITYLENE
CAS Number: 108-67-8

What Kinds of Consumer Products May Contain This Chemical?

- Building and construction plastic foam insulation, incl pipe and block
- Flat water thinned interior paints and tinting bases
- Other rubber floor and wall coverings incl cove base, wainscotting, etc.
- Paint thinners
- Scatter rugs, bathmats, and sets (rugs 6 x 9 ft and smaller)
- Sheet vinyl flooring
- Wood office secretarial chairs
- Wood office work surfaces (modular systems)

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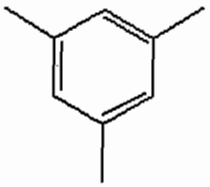
Mesitylene [108-67-8]
Synonyms: 1,3,5-trimethyl benzene; 1,3,5-TRIMETHYLBENZENE (MESITYLENE); Mesitelene; Mesitylene;



Tools

BUY AT CHEMACX.COM
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VIEW CHEM3D MODEL

CAS RN Lookup

THE MERCK INDEX
NCI DATABASE

OpenChem

VIEW LINKS
ADD COMPOUND
ADD/CHANGE PROPERTY
ADD LINK

Formula	C_9H_{12}	Molecular Weight	120.1938
CAS RN	108-67-8	Melting Point (°C)	-44.7
ACX Number	X1001554-8	Boiling Point (°C)	165
Density	0.865	Vapor Density	4.15
Refractive Index	1.4994	Vapor Pressure	1.86
Evaporation Rate		Water Solubility	insoluble
Flash Point (°C)	44	EPA Code	
DOT Number	UN 2325	RTECS	OX6825000
Comments	liquid		

More information about the chemical is available in these categories:

Health Misc Physical Properties Regulations
Structures Trading

Health (3)

ATSDR Internet HazDat Site Contaminant Query
Information about this particular compound
North American Emergency Response Guidebook 2000 (ERG 2000)
Information about this particular compound
RAIS Nonradionuclides Toxicity Values

Misc (1)
Protocol Analytical Supplies, Inc. Single-component standards

Physical Properties (13)
ABCR GmbH&Co KG
Mesitylene, 98+%
Critical Properties of Various Gases
Dielectric Constant Reference Guide
Environmental Science Center database with Experimental Log P coefficients etc.
Information about this particular compound
FTNMR FID Archive
Indiana Relative Chemical Hazard Score (IRCHS)
NFPA Chemical Hazard Labels
Information about this particular compound
NIST Chemistry WebBook
Information about this particular compound
Organic Compounds Database
Properties of Some Organic Compounds, from Schwarzenbch et al., 1993
Raman Spectroscopy in the Undergraduate Chemistry Curriculum
Raman and IR spectra
Spectrum Laboratories, Inc.
Information about this particular compound
Tropospheric Chemistry Modelling
Information about this particular compound

Regulations (10)
California EPA List of Lists
Guide to EPA Air Sampling Standards
Information about this particular compound
Information about this particular compound
Information about this particular compound
Guide to NIOSH/OSHA Air Sampling Methods
Information about this particular compound
Information about this particular compound
Information about this particular compound
Information about this particular compound
OSHA Chemical Sampling and Methods
Information about this particular compound
University of California-Riverside list of compounds that must be reported

Structures (1)

Some molecular models in .pdb form

This compound in PDB format

Trading (1)

Available Chemicals Exchange

Information about this particular compound

Enter a Chemical Name, CAS Number, Molecular Formula or Weight.
Use * for partial names (e.g. ben*).
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Search

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Germany Tel +49 69 2222 2280 **France Tel** +33 1 70 71 98 80
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CambridgeSoft Corporation, 1 Signet Court, Swann's Road, Cambridge CB5 8LA UK

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CHEMICAL PROFILES | Consumer Products

Chemical: M-XYLENE
CAS Number: 108-38-3

What Kinds of Consumer Products May Contain This Chemical?

- Aerosol paint concentrates
- General performance sealants (PVAC, butyl, vinyl, etc.)
- Lubricating oils
- Other automotive chemicals
- Paint and varnish removers
- Sheet vinyl flooring
- Solvent thinned exterior undercoaters and primers
- Solvent thinned interior clear finishes
- Solvent thinned interior stains
- Solvent thinned interior undercoaters and primers
- Synthetic resin and rubber adhesives

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CHEMICAL PROFILES|Consumer Products

Chemical: N-HEXANE
CAS Number: 110-54-3

What Kinds of Consumer Products May Contain This Chemical?

- Aerosol paint concentrates
- Auto, other transportation, and machinery refinish paints incl primers
- Automobile body polish and cleaners
- Furniture polish and cleaners
- General performance sealants (PVAC, butyl, vinyl, etc.)
- Ground/traffic marking coatings
- Household laundry presoaks
- Industrial particleboard (furniture, fixtures, cabinets, etc.)
- Laundry starch preparations
- Leather dressings and finishes (excl shoe polish)
- Lubricating greases
- Lubricating oils
- Miscellaneous paint-related products
- Nonstructural caulking compounds and sealants
- Other automotive chemicals
- Other industrial chemical specialty products
- Other polishing preparations and related products
- Other specialty cleaning and sanitation products
- Paint and varnish removers
- Paint thinners
- Petroleum products
- Solvent thinned interior clear finishes
- Specialty performance sealants
- Synthetic resin and rubber adhesives
- Waterproofing compounds
- Wood office furniture

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CHEMICAL PROFILES | Consumer Products

Chemical: O-XYLENE
CAS Number: 95-47-6

What Kinds of Consumer Products May Contain This Chemical?

- Building and construction plastic foam insulation, incl pipe and block
- Herbicides for agric., garden and health service use
- Lubricating oils
- Other rubber floor and wall coverings incl cove base, wainscotting, etc.
- Scatter rugs, bathmats, and sets (rugs 6 x 9 ft and smaller)
- Sheet vinyl flooring
- Wood office furniture
- Wood office work surfaces (modular systems)

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CHEMICAL PROFILES | Consumer Products

Chemical: TETRACHLOROETHYLENE
CAS Number: 127-18-4

What Kinds of Consumer Products May Contain This Chemical?

- Aerosol paint concentrates
- Agricultural chemicals
- Automobile body polish and cleaners
- Furniture polish and cleaners
- Household hard surface cleaners (aerosol)
- Household hard surface cleaners (liquid)
- Household rug and upholstery cleaners
- Insecticides for crawling insects
- Insecticides for flying insects
- Laundry starch preparations
- Leather dressings and finishes (excl shoe polish)
- Lubricating greases
- Lubricating oils
- Miscellaneous paint-related products
- Nonstructural caulking compounds and sealants
- Other art materials incl clay, water & tempera colors, finger paint, etc.
- Other automotive chemicals
- Other laundry aids, icluding ironing aids and dry cleaning spotting pre
- Other polishing preparations and related products
- Other rubber floor and wall coverings incl cove base, wainscotting, etc.
- Other specialty cleaning and sanitation products
- Oven cleaners
- Paint and varnish removers
- Paints and allied products
- Rug and upholstery cleaners
- Scatter rugs, bathmats, and sets (rugs 6 x 9 ft and smaller)
- Synthetic resin and rubber adhesives
- Textile finishes
- Waterproofing compounds

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CHEMICAL PROFILES|Consumer Products

Chemical: P-XYLENE
CAS Number: 106-42-3

What Kinds of Consumer Products May Contain This Chemical?

- Loose mineral wool fiber (blowing and pouring)
- Other automotive chemicals
- Scatter rugs, bathmats, and sets (rugs 6 x 9 ft and smaller)
- Wood office furniture
- Wood office work surfaces (modular systems)

Questions or Comments? Email:
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para-xylene [106-42-3]
Synonyms: 1,4-dimethylbenzene; 1,4-Xylene; p-dimethylbenzene; p-methyltoluene; para-xylene; p-Xylenes;

Tools

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CAS RN Lookup

THE MERCK INDEX
NCI DATABASE

OpenChem

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ADD COMPOUND
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Formula	C_8H_{10}	Molecular Weight	106.167
CAS RN	106-42-3	Melting Point (°C)	13.3
ACX Number	X1001539-1	Boiling Point (°C)	138.3
Density	0.861	Vapor Density	3.66
Refractive Index	1.4958	Vapor Pressure	8.6
Evaporation Rate	0.51	Water Solubility	0.00 g/100 mL. Insoluble
Flash Point (°C)	27	EPA Code	
DOT Number	UN 1307	RTECS	ZE2625000
Comments	Clear liquid; colorless plates or prisms at low tempature		

More information about the chemical is available in these categories:

Biochemistry Health Misc Physical Properties
Regulations Structures Trading

Biochemistry (1)
Biocatalysis/Biodegradation Database
Information about this particular compound

Health (7)

8(e) TRIAGE Chemical Studies Database
ATSDR Internet HazDat Site Contaminant Query
Information about this particular compound
International Chemical Safety Cards
Information about this particular compound
Minimal Risk Levels for Hazardous Substances
RAIS Nonradionuclides Toxicity Values
UMCP Partial list of teratogens
VOC target analytes for 1996-98 at USGS

Misc (1)
Protocol Analytical Supplies, Inc. Single-component standards

Physical Properties (13)
ABCR GmbH&Co KG
p-Xylene, 99%
Critical Properties of Various Gases
Dielectric Constant Reference Guide
Environmental Science Center database with Experimental Log P coefficients etc.
Information about this particular compound
FTNMR FID Archive
Indiana Relative Chemical Hazard Score (IRCHS)
NFPA Chemical Hazard Labels
Information about this particular compound
NIST Chemistry WebBook
Information about this particular compound
Organic Compounds Database
Properties of Some Organic Compounds, from Schwarzenbch et al., 1993
Spectrum Laboratories, Inc.
Information about this particular compound
Tropospheric Chemistry Modelling
Information about this particular compound
WebSpectra
Information about this particular compound

Regulations (9)
California EPA List of Lists
Current List of Toxics Release Inventory Chemicals
Guide to EPA Air Sampling Standards
Information about this particular compound

Information about this particular compound

List of Chemical Names, Chemical Abstract Service Registry Numbers, and Chemical Abstracts Names for the Substances Included in the Environmental Assessment Information System

National (Canada) Pollutant Release Inventory

Texas Clean Air Act

Title III List of Lists

TRI Chemicals in other Federal Programs: Regulatory Matrix

Structures (2)

Hetero-compound Information Centre - Uppsala

Information about this particular compound

Some molecular models in .pdb form

This compound in PDB format

Trading (1)

Available Chemicals Exchange

Information about this particular compound

Scorecard
THE POLLUTION INFORMATION SITE

Investigate Pollution Topics

TOXICS
- Toxic Chemical Releases
- Lead Hazards
- Superfund

AIR
- Smog and Particulates
- Hazardous Air Pollutants

WATER
- Clean Water Act
- Watershed Indicators

AGRICULTURE
- Animal Waste

ENVIRONMENTAL JUSTICE
- Community Center
- En Español

HEALTH HAZARDS
- Chemical Profiles
- Health Effects
- Regulations

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CHEMICAL PROFILES|Consumer Products

Chemical: TRICHLOROETHYLENE
CAS Number: 79-01-6

What Kinds of Consumer Products May Contain This Chemical?

- Aerosol paint concentrates
- General performance sealants (PVAC, butyl, vinyl, etc.)
- Lubricating oils
- Miscellaneous paint-related products
- Other automotive chemicals
- Other industrial chemical specialty products
- Other laundry aids, icluding ironing aids and dry cleaning spotting pre
- Other specialty cleaning and sanitation products
- Paint and varnish removers
- Sheet vinyl flooring
- Synthetic resin and rubber adhesives

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CHEMICAL PROFILES|Consumer Products

Chemical: TOLUENE
CAS Number: 108-88-3

What Kinds of Consumer Products May Contain This Chemical?

- Adhesive films, all types, incl pressure sensitive
- Aerosol paint concentrates
- Architectural coatings
- Auto, other transportation, and machinery refinish paints incl primers
- Automobile body polish and cleaners
- Floor polish
- Furniture polish and cleaners
- General performance sealants (PVAC, butyl, vinyl, etc.)
- Gravure inks
- Ground/traffic marking coatings
- Household hard surface cleaners (aerosol)
- Household hard surface cleaners (liquid)
- Industrial interior coatings
- Industrial particleboard (furniture, fixtures, cabinets, etc.)
- Laundry starch preparations
- Leather dressings and finishes (excl shoe polish)
- Loose mineral wool fiber (blowing and pouring)
- Lubricating oils
- Misc. use aromatics
- Miscellaneous paint-related products
- Moisturizing creams
- Nail enamels and polishes
- Non-wood upholstered office side and arm chairs
- Nonstructural caulking compounds and sealants
- Other art materials incl clay, water & tempera colors, finger paint, etc.
- Other automotive chemicals
- Other gravure inks
- Other industrial chemical specialty products
- Other laundry aids, icluding ironing aids and dry cleaning spotting pre
- Other manicuring preparations
- Other miscellaneous allied paint products, including brush cleaners
- Other specialty cleaning and sanitation products
- Packaging inks: solvent types
- Packaging inks: solvent types
- Paint and varnish removers
- Paint thinners
- Paints and allied products
- Phenolic and phenolic derivative adhesives
- Polyvinyl acetate (latex type) adhesives
- Publication inks: solvent types
- Scatter rugs, bathmats, and sets (rugs 6 x 9 ft and smaller)
- Sheet vinyl flooring
- Shoe polishes and cleaners
- Solvent thinned exterior stains incl shingle and shake
- Solvent thinned exterior undercoaters and primers
- Solvent thinned interior clear finishes

- Solvent thinned interior stains
- Solvent thinned interior undercoaters and primers
- Specialty performance sealants
- Surfactants, finishing agents, and assistants
- Synthetic resin and rubber adhesives
- Thick line coloring pens and markers
- Urethane adhesives
- Wall coverings
- Waterproofing compounds
- Wood office furniture
- Wood office secretarial chairs
- Wood office work surfaces (modular systems)

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