

FEBRUARY 26, 2009

SUPPLEMENTAL PHASE II SUBSURFACE INVESTIGATION REPORT

TURK HILL PARK
1000 TURK HILL ROAD
FAIRPORT, NEW YORK 14450

AEI PROJECT NO. 281873

PREPARED FOR

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Thursday, February 26, 2009

Mr. Scott Laseter
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3490 Piedmont Road NE, Suite 201
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Subject: Supplemental Phase II Subsurface Investigation
1000 Turk Hill Road
Fairport, New York 14450
AEI Project No. 281873

Dear Mr. Laseter:

The following report describes the activities and results of the Supplemental Phase II Subsurface Investigation (Supplemental Phase II) performed by AEI Consultants (AEI) at the above referenced property (Figure 1: Site Location Map).

This investigation included the collection and analysis of soil and groundwater samples from a total of six (6) borings advanced at the Subject Property and the collection of three (3) sub-slab soil vapor samples from each of the three buildings located on-site. The work was performed on February 5 and 6, 2009.

This investigation was performed to further evaluate the identification of trichloroethylene (TCE) in groundwater at a concentration of 8.0 parts per billion (ppb) from previous boring location AEI-B2 (located in the central portion of the property to the southeast of Building 1). This work was also intended to address prior subsurface sampling completed by *The Leader Group* at the Subject Property in 2004. Please refer to Figure 5: Boring Location Map for a representation of soil and groundwater borings and soil vapor point locations.

I Site Description

The Subject Property is located on the east side of Turk Hill Road in a mixed commercial and residential area of the Village of Fairport. The Subject Property totals approximately 7.864 acres and is improved with three (3) two-story buildings totaling approximately 90,862 square feet. The buildings are currently occupied by approximately 45 tenants. On-site operations include general office space, food preparation, machine shop operations, artistic studios, storage as well as other diverse operations. In addition to the Subject Property buildings, the property is improved with asphalt-paved parking areas and associated landscaping.

It should be noted that in previous investigative reports (further discussed below) conducted at the subject property, each of the three subject property buildings are referred to as a conglomeration of numerous buildings (approximately 15 buildings in total). Many of the reports reviewed did not include site maps indicating the numbering system used and therefore AEI was not always able to determine the exact locations of these buildings; however, in the *Summary of Contaminant Delineation and Removal Activities* report performed by Leader Professional Services (Leader) dated March 1, 2006 which discussed previous soil excavations performed at the site, AEI was able to determine that the soil excavations discussed were located in the areas of the present day Building 1. Please refer to the discussion of this report below as well as Figure 3: Former Leader Excavations, for more detail regarding these soil excavations and their locations.

According to historical sources, the current Subject Property buildings were constructed in the late 1890s by Cobbs; a food processing company which operated the Subject Property from the late 1800s until the 1950s. During the 1950s, the Subject Property was occupied by Crossman Arms, a manufacturer of BB guns. Crossman Arms occupied the Subject Property from the 1950s until the 1980s. During the 1980s the facility was divided into flex space and has been operated as the Turk Hill Park since 1984.

II Previous Investigations

Environmental Audit, Lozier Architects/Engineers (Lozier) dated October 1993:

This report was provided to AEI on January 20, 2009, following the issuance of AEI's previous Phase I and Phase II reports.

According to the Lozier 1993 Audit, although several of the buildings on the Subject Property have housed manufacturing and light industrial operations for over 100 years, no significant environmental problems were observed during the site visit or noted while reviewing the available documentation.

Lozier did note the following conditions:

- Several suspected asbestos containing materials were identified. No immediate action was deemed necessary.
- There are four (4) spray booths in tenant work areas that do not have New York State Department of Environmental Conservation (NYSDEC) permits for their air emissions. The issue was considered a regulatory concern for the tenants.
- There are two small underground storage tanks (USTs) on the property near Building #14 which were reportedly filled with sand in 1984.

No recommendations other than acquiring the necessary NYSDEC air permits were made in this report. The report did discuss on page 11 that the former tenant Crossman, did generate hazardous waste in the form of zinc sludge and TCE. According to the report the zinc sludge was picked up by a private hauler and presumably disposed of at a local landfill and the TCE was transported to another Crossman facility for recycling.

UST Removal Report, Lozier dated October 1994:

This report was provided to AEI on January 20, 2009, following the issuance of AEI's previous Phase I and Phase II reports.

According to the Lozier 1994 UST letter report, two (2) 500-gallon USTs partially filled with water and oily residue were removed from the subject property on June 7, 1994. During the removal the contractor spilled the contents of the USTs into the excavation pit. The spilled water/oily residue mixture was pumped out of the excavation pit and transferred into 55-gallon drums for disposal. The saturated soil was excavated out and stockpiled on site. The NYSDEC Spills hotline was notified and the NYSDEC requested two soil samples (one composite sample of the sidewalls and one grab sample from the bottom of the pit). Analyses via EPA Method 8240 and 8270 (VOCs and SVOCs) were performed and the results indicated no target compounds. The stockpiled soil was sampled (one composite and one grab) and analyzed for EPA Method 8240 and 8270 and no target compounds were detected. The stockpile soil was recommended for use as on site landscaping. No other information was provided in this letter report.

Phase II Environmental Audit Update, Lozier dated March 1995:

This report was provided to AEI on January 20, 2009, following the issuance of AEI's previous Phase I and Phase II reports.

This Lozier 1995 Phase II report summarized the UST removals (discussed above) as well as sampling of suspect ACMs. No additional information regarding the USTs was provided. According to this report, the following ACMs were identified:

- 9x9 Vinyl Floor Tile (VFT) – Building 6 (Closet in Men's and Women's Room); Building 13 (Men's and Women's Rooms)
- 12x12 VFT – Building 10 (Hallway to Building 11 and Men's Room on 2nd Floor); Building 11 (Hallway to Building 10 and Gottler Office); Building 12 (Qualtech Hallway and Men's Room)
- Linoleum – Building 9 (Hallway and Cafeteria)
- Transite Pipe – Numerous Locations through Facility
- Roof Flashing – Buildings 1, 2, 3, 4, 7, 9, 10, 11, 15
- Paper-backing to Tar Paper Shingles – Building 11 Exterior
- Firedoors – Numerous Locations throughout Facility

This report concluded that no environmental problems were identified in the 1993 Audit or during the follow-up work performed in 1994 and 1995.

Phase I Environmental Site Assessment, GZA Environmental (GZA) dated June 2001:

According to the 2001 GZA Phase I report, the Subject Property was occupied by Cobbs Cannary; a food canning facility from 1886 to 1950, Crossman Air Gun; a manufacturer of bb guns from 1950 to 1980, and Turk Hill Park Offices from 1984 to present.

The prior report noted the following areas of concern:

- Historical fill material may have contained unknown materials which may have contaminated the soil and groundwater at the Subject Property. GZA recommended a subsurface exploration program consisting of soil and groundwater sampling to assess whether contamination was present.
- The historical use of the Subject Property was identified as a concern because hazardous materials and/or petroleum products may have been associated with historic site activities. Additionally, previous studies indicated that waste zinc sludge and trichloroethylene were generated at the Subject Property. Releases from these activities may have contaminated the soil and groundwater at the Subject Property. GZA recommended a subsurface exploration program consisting of soil and groundwater sampling to assess whether contamination was present.
- It was the opinion of GZA that the presence of former USTs at the Subject Property would constitute a REC. However, a prior release that had occurred on the Subject Property had been remediated and the results of the remediation had been accepted by the NYSDEC. It was the opinion of GZA that this represented a historic recognized environmental condition in connection with the Subject Property. GZA recommended no further action or investigation.
- GZA noted several chemical storage areas throughout the various buildings. GZA further noted poor housekeeping practices that could potentially contribute to a possible spill or release. It was the opinion of GZA that best management practices be employed with respect to the stored chemicals to prevent future releases. It should be noted that GZA did not indicate the type, nature or quantities of chemicals observed during their investigation.
- GZA noted heavy staining on the concrete floor near a drainage trench in Building 1. The drippings from stripping, staining or refinishing were power washed into the drainage trench. The drainage for the trench is reportedly to the municipal sanitary sewer; however, GZA could not confirm this. GZA further indicated that the trench was located in Building 1 which was constructed in 1914. GZA was of the opinion that the structural integrity of the trench and its associated piping were unknown. As such, the potential existed that releases in this area may have contaminated the soil and groundwater at the Subject Property. GZA recommended dye testing to confirm discharge location and a subsurface exploration program to assess whether contamination is present.
- GZA noted the presence of the four hoods associated with the painting operations involved for tenet spaces at the Subject Property. Only one facility was noted to have a proper air permit. GZA recommended the registration of all fume hoods with the New York State Department of Environmental Conservation.
- Asbestos-containing materials were identified during a previous investigation. These materials were noted to be in fair to good condition by GZA. GZA recommended

these materials be properly managed under an Asbestos Operations and Maintenance program. Additionally, GZA recommended that should any renovation or demolition be planned in the areas of asbestos-containing materials, proper removal should be conducted in accordance with local and state requirements.

- It was the opinion of GZA, that due to the age of the buildings, they may contain lead-based paints, and lead piping or soldering and the plumbing fixtures. The painted surfaces appear to be in fair to good condition. As the Subject Property was utilized as light industrial and commercial facilities, it was the opinion of GZA that this does not represent a significant concern. However, GZA recommended that if renovation or demolition be planned, painted surfaces be properly tested and remediated if necessary.

Summary of Contaminant Delineation and Removal Activities; Leader Professional Services (Leader) dated March 1, 2006:

This report was provided to AEI on January 20, 2009, following the issuance of AEI's previous Phase I and Phase II reports.

The Leader 2006 Summary report summarizes soil and groundwater characterization work as well as soil removal work performed by Leader between 2004 and 2006 in response to contamination originally identified by Day Environmental (Day) in 2002. No previous reports documenting the work performed by Day was provided or reviewed by AEI. During the Day investigation, evidence of contaminants was found in two areas: in the vicinity of Building 1 and Building 8 (both buildings numbers are considered to be the present day Building 1, with Building 8 being located on the east portion of the present day Building 1). TCE was the only contaminant found in the vicinity of Building 1. TCE was found in soil at a concentration below the NYSDEC recommended soil cleanup level of 700 ppb. At Building 8 chlorinated solvents were not found, but petroleum by products and metals were found in the soil. Those contaminants found in excess of NYSDEC recommended soil cleanup levels consisted of xylene, cadmium, chromium, lead, mercury and zinc. It was determined that the elevated concentrations of these metals are consistent with the findings of cinder and ash fill materials.

In March through May of 2004, Leader completed several investigations to further delineate the two areas of potential contamination found by Day.

Building 1 (central area of present day Building 1): Leader conducted sampling in the alley south of Building 1 in order to establish a limit to the TCE contamination. The borings next to Building 1 were sampled to depths ranging from 11 to 15.5 feet below ground surface (bgs). All borings were stopped when refusal conditions were encountered in weathered shale. To attempt to delineate the TCE in groundwater, nine groundwater samples were collected during two sampling events in the alley south of Building 1. Groundwater samples were difficult to obtain because of the small amount of groundwater available for sampling and in many cases it took hours for the monitoring wells to recharge for sampling. TCE was found in groundwater with the highest concentrations centered on the

property's sewer pump station south of Building 1. The highest TCE concentration found was 1,900 ppb in soil and 1,500 ppb in groundwater.

On August 27, 2004, following the demolition of Building 1 and adjacent buildings, soil removal in the area of Building 1 commenced. The contaminated soil extended from the ejector pump area to the east and north to areas beneath the former paint storage area. Contamination appeared to follow old foundations, buried floor slabs, and sandy soil. In several instances, perched water was found dammed next to foundation walls, but in general, groundwater was not encountered. To define the groundwater level, the excavator was directed to dig several deep holes to a depth of approximately 13 feet bgs, but groundwater was not observed. Contamination did not appear to extend beyond the 8 to 10 foot depth throughout the area. Stained and contaminated soil was identified using a portable organic vapor analyzer, removed, and stockpiled on plastic sheeting. Approximately 210 cubic yards of soil was removed.

Building 8 (eastern area of present day Building 1): On the north and east sides of Building 8, Leader completed nine borings to delineate the contamination found by Day. The contamination found in the vicinity of Building 8 was found to be most severe in the area of the northwest loading dock where contamination was encountered at a depth of 18 inches bgs. The contamination was evident from the presence of stain and odors and extended to a depth of 8 feet bgs. The contamination affected an area of approximately 12 feet by 20 feet.

On April 5, 2004, Leader observed the removal of contaminated soil from the east side of the Building 8 area. The removal of stained soil and soil containing volatile organic vapors was based on the previously completed soil borings. Approximately 70 cubic yards of soil was removed. The excavation was backfilled with recycled concrete and soil. After the soil was removed, additional soil samples were collected from around the removal area and a narrow strip of land between the soil removal area and the Erie Canal. The samples were analyzed for VOCs and heavy metals. The findings of the soil samples revealed no VOCs but elevated levels of some metals were found. According to Leader, considering the presence of the historic fill in the area, even elevated metals would be considered as site background and below conservative USEPA risk-based values for industrial properties.

For both excavation areas, it does not appear that confirmation sidewall or bottom samples were collected or analyzed.

Please refer to Figure 3: Former Leader Excavation Areas for a depiction of the former excavations.

Phase I Environmental Site Assessment, LandAmerica Commercial Services (LAC) dated June 2006:

The prior 2006 LAC Phase I report noted the following areas of concern:

- Historical fill material was identified as an area of concern. LAC reviewed a Phase II conducted by Day Environmental in March 2002. According to the Phase II, two

potential areas of contamination were identified. LAC was not provided with a copy of the report prepared by Day Environmental. No further information regarding the subject property was available from Day Environmental.

In addition, LAC reviewed a Contaminant Delineation and Removal of Contaminated Soil report prepared by Leader Professional Services on May 25, 2004. This prior report prepared by Leader was not provided to AEI during the performance of AEI's 2008 Phase I and 2009 Phase II (this report was later provided to AEI and was reviewed prior to AEI's 2009 Phase III). This prior report identified contaminated soils in connection with historical fill material present on the subject property. Contaminated soil was excavated and post excavation soil samples were collected. Information on the quantity of soil excavated, depth to which soil samples were collected and the amount of soil samples collected was not provided to AEI. Soil samples were analyzed for VOCs via EPA Method 8021. Laboratory analysis of these soil samples indicated cadmium and chromium were present above NYSDEC regulations. Leader concluded that although these targeted compounds were above NYSDEC regulation, these targeted compounds are below USEPA risk based values for industrial properties and recommended no further action. However, LAC recommended the cadmium and chromium contaminated soil be fully delineated and remediated within NYSDEC regulatory standards or that the findings of the Contaminant Delineation and Removal of Contaminated Soil report prepared by Leader on May 25, 2004 be submitted to the NYSDEC for determination and written permission to leave contaminated soils in place.

- Former on-site operations, poor housekeeping and heavy staining on the concrete floor in the vicinity of the drainage trench within Building 1 was identified as an area of concern. The discharge location of the drainage trench is reportedly to the municipal sewer system however, this could not be confirmed. LAC reviewed a Soil Removal Report prepared by Leader Professional Services on September 9, 2004; which indicated that TCE was detected above soil and groundwater NYSDEC regulatory standards and 1,1,1-TCA was detected in groundwater above NYSDEC regulatory standards in the vicinity of the sewer pump station adjacent to Building 1. In 2004, soil excavation activities were performed in this area. The amount of soil excavated; the depth to which soil was excavated and the amount and location of soil samples was not provided to AEI. Post excavation soil samples were collected and analyzed for VOCs. One (1) soil sample indicated elevated levels above NYSDEC regulatory standards for acetone. However, additional confirmatory post excavation soil samples were collected and did not reveal any target compounds. Groundwater sampling was not conducted. Based on this information LAC recommended that groundwater sampling be conducted or the findings from the Leader Soil Removal report be provided to the NYSDEC for a determination and a letter requiring NFA.

Phase I Environmental Site Assessment (Phase I), AEI dated October 30, 2008:

AEI conducted a Phase I in October of 2008 which identified the following Recognized Environmental Concerns (RECs) associated with the property:

- According to historical sources, the Subject Property has been utilized for industrial purposes since the 1890s. No direct evidence of hazardous materials use in connection with the original tenant, Cobbs; a food processing company, was identified through historical research. However, Crossman Arms, a manufacturer of BB guns did occupy the Subject Property from the 1950s until the 1980s, and reportedly utilized hazardous materials and generate hazardous waste. Specifically, waste zinc sludge and TCE were generated at the Subject Property in connection with Crossman Arms.

During GZA's June 2001 assessment, GZA noted several chemical storage areas throughout the various onsite buildings. GZA further noted poor housekeeping practices that could potentially contribute to a possible spill or release. GZA did not indicate the type, nature or quantities of chemicals observed during their investigation. Additionally, GZA noted heavy staining on the concrete floor near a drainage trench in Building 1. The drippings from stripping, staining or refinishing were power washed into the drainage trench. The discharge location for the trench was reportedly to the municipal sanitary sewer; however, GZA could not confirm this during their assessment. GZA further indicated that the trench was located in Building 1 which was constructed in 1914. Based on the age of the building, GZA was of the opinion that the structural integrity of the trench and its associated piping were unknown. During AEI's site reconnaissance, the trench drain was not observed nor was information pertaining to the installation date encountered. AEI reviewed the 2006 LAC Phase I. According to the 2006 LAC Phase I, Land America reviewed a Soil Removal Report prepared by Leader Professional Services on September 9, 2004; which indicated that TCE was detected above soil and groundwater NYSDEC regulatory standards and that 1,1,1-TCA was detected in groundwater above the NYSDEC regulatory standards in the vicinity of the sewer pump station adjacent to Building 1. According to the Soil Removal Report this contamination is in connection with the former on-site operations, poor housekeeping and heavy staining on the concrete floor in the vicinity of the drainage trench within Building 1. In 2004, soil excavation activities were performed in this area. The amount of soil excavated, the depth at which soil was excavated and the amount and location of soil samples was not provided to AEI. Post excavation soil samples were collected and analyzed for VOCs. One (1) soil sample indicated elevated levels of acetone above NYSDEC regulatory standards. However, additional confirmatory post excavation soil samples were collected and did not reveal any targeted compounds.

No documentation indicating that groundwater sampling had been performed was provided to AEI during this assessment. AEI attempted to contact the owner of the Subject Property, Mr. John Flowers; however, was informed by his children, the current owners, that he was deceased. The current owners were unaware of any subsurface sampling which may have taken place at the Property. Additionally, AEI contacted GZA and HSBC, the entity for which the GZA Phase I report was prepared. Neither GZA nor HSBC was willing to release any information pertaining to possible subsurface sampling performed at the Subject Property.

Based on the historical use of the Subject Property, the observations noted by GZA during the June 2001 assessment, the information provided by Phase I Environmental Site Assessment prepared by Land America Commercial Services and the lack of groundwater sampling data performed for the Subject Property, the former operations performed at the Subject Property represent a recognized environmental condition.

- Based on information provided in the GZA 2001 Phase I report, the northern portion of the subject property reportedly contains fill material from the Erie Barge Canal. The fill material has the potential to have elevated levels of metals or petroleum product constituents.

In addition, AEI reviewed the 2006 LAC Phase I report which discussed a Contaminant Delineation and Removal of Contaminated Soil report prepared by Leader Professional Services on May 25, 2004. This prior report prepared by Leader was not provided to AEI at the time of AEI's Phase I. The Contaminant Delineation and Removal of Contaminated Soil report identified contaminated soils in connection with historical fill material present on the Subject Property. Contaminated soil was excavated and post excavation soil samples were collected. Information on the quantity of soil excavated, depth to which soil samples were collected and the amount of soil samples collected was not provided to AEI. Soil samples were analyzed for VOCs via EPA Method 8021. Laboratory analysis of these soil samples indicated cadmium and chromium were present above NYSDEC regulations. Leader concluded that although these target compounds were above NYSDEC regulations, the compounds were below USEPA risk based values for industrial properties and therefore, recommended no further action. The NYSDEC is the lead agency with jurisdictional oversight regarding fill material. Since concentrations of cadmium and chromium exceeded NYSDEC regulations, AEI recommended the Contaminant Delineation and Removal of Contaminated Soil report prepared by Leader Professional Services be submitted to the NYSDEC for determination and written permission to leave contaminated soils in place. However, it is AEI's opinion that further investigation would not likely be warranted based on the fact that 1) the entire area of the Subject Property is either paved over or covered by improvements which would make direct contact with any potential remaining concentrations in the soil unlikely and 2) the Subject Property is developed and used for industrial purposes. However, in the event that the Subject Property undergoes future development activities which would involve the removal of site improvements, AEI does recommend proper soil characterization activities prior to the start of redevelopment activities.

Based on the findings of the Phase I, AEI recommended the performance of a Phase II Subsurface Investigation (Phase II) to determine whether the identified RECs have potentially impacted groundwater at the Subject Property.

Phase II Subsurface Investigation (Phase II), AEI dated December 16, 2008:

AEI performed a Phase II at the subject property on November 25, 2008. Three soil borings (AEI-B1, AEI-B2, and AEI-B3) were advanced in assumed hydrologically down-gradient locations of the subject property. Groundwater was encountered in all three of the borings. Groundwater was encountered at 10 feet bgs in AEI-B1, at 22 to 27 feet bgs in AEI-B2, and at 10 feet bgs in AEI-B3. Please refer to Figure 5: Boring Location Map for a representation of previous boring locations.

No concentrations of VOCs were detected in any of the three the groundwater samples collected from the boring locations AEI-B1 through AEI-B3, except for the detection of TCE in AEI-B2 at 8.0 ppb. The concentration of TCE in AEI-B2 exceeded the NYSDEC ambient water quality standards (AWQS) for groundwater (5.0 ppb).

Due to the detected concentration of TCE at location AEI-B2, AEI concluded that the subsurface of the subject property had been adversely impacted. According to the prior GZA 2001 Phase I, waste zinc sludge and TCE were generated at the subject property in connection with the former tenant Crossman Arms. AEI-B1 and AEI-B3 were advanced adjacent to the Erie Canal. AEI-B2 was advanced in the assumed directly up-gradient direction of AEI-B1, and therefore the exceedance of TCE reported in AEI-B2 suggest the possible on-site release of TCE from Crossman Arms.

AEI recommended additional site characterization to determine the potential source(s) of the detected TCE as well as further delineation of the extent of a possible plume.

Based on the information provided in the Leader 2006 Summary of Contamination Delineation and Removal Activities Report as well as the results of AEI's 2008 Phase II and consultation with the Client, the following scope of work was recommended for the Supplemental Phase II:

- Advance four borings (AEI-B4 through AEI-B7) to groundwater in the area surrounding the former boring location AEI-B2 and analyze four groundwater samples for VOCs via EPA Method 8260 and priority pollutant metals 13 (PP-13) via EPA Method 6010/6020;
- Advance two borings (AEI-B8 and AEI-B9) to groundwater in the area surrounding the sewer pump station located in the area of Leaders Building 1 soil excavation and analyze two groundwater samples for VOCs via EPA Method 8260;
- Collect three sub-slab soil vapor samples from each of the three buildings located on-site in locations closest to former boring location AEI-B2 and analyze three soil vapor samples for VOCs via EPA Method TO-15;
- Conduct a Ground Penetrating Radar (GPR) survey in the area of proposed borings AEI-B8 and AEI-B9 to clear utilities for borings.

III Investigative Efforts

Pre-Drilling Activities

SJB Services Inc. was notified to identify public utilities in the work area at least 72 hours prior to field activities. In addition, AEI conducted a GPR survey in the access road located to the south of Building 1 and north of Building 2. Please refer to Figure 4: GPR Survey Location for a visual representation of the GPR survey area. The GPR survey identified sewer, water and electrical lines as well as the sewer pump station previously discussed in the 2006 Leader Summary report.

Drilling and Soil Sample Collection

AEI drilled and logged six exterior borings at the property on February 5 and 6, 2009. The borings were advanced with a hollow-stem auger rig to groundwater or to refusal which ever was encountered first.

Soil cores were collected in a split spoon at two foot intervals every five feet and logged until terminal depth. During drilling the soils were logged and examined for lithology and screened for obvious signs of impact using a photo-ionizing detector (PID) and by visual and olfactory means. PID readings were gauged from the split spoon sample collected at each 5 foot interval until groundwater was encountered at each boring. No significant PID readings were found for any of the soils encountered during the advancement of the borings. No staining, odors, or any additional signs of contamination were noted by AEI. Attachment A, Boring Logs, provides details on the soils observed in each boring as well as soil screening detail. At the completion of each boring, the boring was backfilled and patched according to applicable regulations.

Borings AEI-B4 through AEI-B7 were advanced in areas surrounding former boring AEI-B2. Boring AEI-B4 was advanced 10 feet to the northwest (down-gradient) of AEI-B2. Boring AEI-B5 was advanced 15 feet to the northeast (down-gradient) of AEI-B2. Boring AEI-B6 was advanced 25 feet southwest (up-gradient) of AEI-B2. Boring AEI-B7 was advanced 30 feet southeast (up-gradient) of AEI-B2.

Borings AEI-B8 and AEI-B9 were advanced in the area of former Leader boring B-10, in the area of the sewer pump station. Boring AEI-B8 was advanced 25 feet east of the area of the sewer pump station and boring AEI-B9 was advanced 35 feet west of the area of the sewer pump station.

Please refer to Figure 5: Boring Location Plan for boring locations.

Groundwater Sample Collection

Groundwater was encountered in four of the six exterior borings (AEI-B4 through AEI-B7). Groundwater was encountered at 20 to 21 feet bgs in AEI-B4 and AEI-B5 and at 22 to 23 feet bgs in AEI-B6 and AEI-B7. Temporary wells were installed at each location with PVC slotted screens, and were recovered using a 1.6 outside diameter poly bailer. Groundwater samples collected from AEI-B4 through AEI-B7 were submitted to the

laboratory for analysis. Samples were collected into laboratory supplied bottlenecks, capped such that there was no head space or visible air bubbles within the vials, labeled with a unique identifier, and immediately placed on ice and cooled in an ice chest to 4°C for shipment under chain of custody to the laboratory.

Groundwater was not encountered in the two remaining borings (AEI-B8 and AEI-B9) due to refusal encountered at approximately 15 to 16 feet bgs. Refusal was due to weathered bedrock being encountered. Multiple attempts were made at each boring location to reach deeper depths.

Sub Slab Sample Collection

Borings AEI-SV1, AEI-SV2 and AEI-SV3 were advanced with a decontaminated power drill below the indoor slab to an approximate depth of 1 foot, no further than 2 inches into the sub slab material.

Temporary sub slab probes were installed at AEI-SV1, AEI-SV2 and AEI-SV3 as per the NYSDOH CEH BEEI Soil Vapor Intrusion Guidance (October 2006) for interior soil vapor sampling. After the borings were advanced, an inert teflon tubing was inserted in the boring and set below the slab at approximately 1 foot bgs, no further than 2 inches into the sub slab material. The soil vapor sampling zone was sealed at the surface using a bentonite seal. A plastic pail with a bottom seal was placed on the surface of each sampling point and was enriched with helium (the tracer gas). At least three well volumes were purged from the temporary installations at less than 0.2 liters per minute. The sub slab sample was collected with a laboratory certified clean SUMMA canister using a flow controller set at the NYSDEC standard of 0.09 Liters per minute. The SUMMA canister was properly labeled and transported to the laboratory for analysis.

Boring Destruction

All borings were backfilled with cuttings and bentonite after sampling activities, and interior borings were completed and topped with concrete to grade.

Laboratory Analysis

The soil and groundwater samples were transported on February 9, 2009, to York Analytical Laboratories, Inc. [National Environmental Laboratory Accreditation Program (NELAP) #10854] under chain of custody for analysis of Stratford, Connecticut, for analysis under chain of custody protocol. Analytical results and chain of custody documents are included as Attachment B, Sample Analytical Documentation.

The soil vapor samples were transported on February 5, 2009, to Paradigm Environmental Services (NELAP #10958) of Rochester, New York, for analysis under chain of custody protocol.

Soil samples AEI-B8-15' and AEI-B9-15' were submitted for laboratory analysis for VOCs via EPA Method 8260.

Groundwater samples AEI-B4, AEI-B5, AEI-B6 and AEI-B7 were submitted for laboratory analysis for VOCs via EPA Method 8260 and PP-13 metals via EPA Method 6010/6020.

Soil vapor samples AEI-SV1, AEI-SV2 and AEI-SV3 were submitted for laboratory analysis for VOCs via EPA Method TO-15.

IV Findings

Lithology

The native soils were encountered near the ground surface during the boring advancement and consisted of mainly dark brown fine sandy to silty clays to terminal depth. In borings AEI-B8 and AEI-B9, weathered bedrock was encountered at a depth of 15 to 16 feet bgs. Boring Logs are presented in Attachment A.

Soil Sample Analytical Results

VOCs:

In soil sample AEI-B8-15', TCE was detected at a concentration of 27 ppb, below the NYSDEC Restricted Use Soil Cleanup Objective (SCO) for Protection of Groundwater (470 ppb) and significantly below the SCO for Protection of Human Health – Commercial (200,000 ppb). No other VOCs were detected in soil sample AEI-B8-15'.

In soil sample AEI-B9-15', TCE was detected at a concentration of 2,900 ppb, above the NYSDEC Restricted Use SCO for Protection of Groundwater (470 ppb) and significantly below the SCO for Protection of Human Health – Commercial (200,000 ppb). Toluene was detected at a concentration of 71 ppb, below the NYSDEC Restricted Use SCO for Protection of Groundwater (700 ppb) and significantly below the SCO for Protection of Human Health – Commercial (500,000 ppb). No other VOCs were detected in soil sample AEI-B9-15'.

Please refer to Table 1: Soil Sample Data Summary for analytical results compared to their respective NYSDEC SCOs.

Groundwater Sample Analytical Results

VOCs:

In groundwater sample AEI-B4, trichlorofluoromethane was detected at a concentration of 35 ppb, above the NYSDEC Ambient Water Quality Standards (AWQS) for groundwater (5 ppb). Cis-1,2-dichloroethylene (cis-1,2-DCE) was detected at a concentration of 6.0 ppb, above the NYSDEC AWQS for groundwater (5 ppb). No other VOCs were detected in groundwater sample AEI-B4.

In groundwater sample AEI-B5, TCE was detected at a concentration of 32 ppb, above the NYSDEC AWQS for groundwater (5 ppb). Cis-1,2-DCE was detected at a concentration of 6.0 ppb, above the NYSDEC AWQS for groundwater (5 ppb). No other VOCs were detected in groundwater sample AEI-B5.

In groundwater sample AEI-B6, TCE was detected at a concentration of 16 ppb, above the NYSDEC AWQS for groundwater (5 ppb). Cis-1,2-DCE was detected at a concentration of 6.0 ppb, above the NYSDEC AWQS for groundwater (5 ppb). No other VOCs were detected in groundwater sample AEI-B6.

In groundwater sample AEI-B7, TCE was detected at a concentration of 43 ppb, above the NYSDEC AWQS for groundwater (5 ppb). Cis-1,2-DCE was detected at a concentration of 10 ppb, above the NYSDEC AWQS for groundwater (5 ppb). No other VOCs were detected in groundwater sample AEI-B7.

Metals:

In groundwater sample AEI-B4, antimony, beryllium, chromium, lead and nickel were detected at concentrations above their respective NYSDEC AWQS for groundwater.

In groundwater sample AEI-B5, antimony, lead and nickel were detected at concentrations above their respective NYSDEC AWQS for groundwater.

In groundwater sample AEI-B6, antimony, beryllium, chromium, lead and nickel were detected at concentrations above their respective NYSDEC AWQS for groundwater.

In groundwater sample AEI-B7, no metals were detected at concentrations above their respective NYSDEC AWQS for groundwater.

Please refer to Table 2: Groundwater Sample Data Summary for analytical results compared to their respective NYSDEC AWQS.

Soil Vapor Sample Analytical Results

VOCs:

In soil vapor samples AEI-SV1 through AEI-SV3, carbon tetrachloride, chloroform, chloromethane, cis-1,2-DCE, methylene chloride, tetrachloroethylene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), TCE, trichlorofluoromethane, benzene, ethylbenzene, toluene, m,p-xylene, o-xylene, styrene and 2-butanone were detected at concentrations above laboratory detection limits.

The NYSDEC does not currently have any standards, criteria, or guidance values for assessing the concentrations of compounds in soil vapor. However, the NYSDOH has derived guidance values in consultation with the NYSDEC based upon standards for human health, and has created decision matrices based upon the presence of contaminants of concern¹. These guidance values and corresponding decision matrices

¹ New York State Department of Health: Center for Environmental Health and the Bureau of Environmental Exposure Investigation. *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006.

are contained in the October 2006 document known as the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (also commonly known as the NYSDOH Soil Vapor Intrusion Guidance). This document is included in Attachment C of this report. It should be noted that, as clearly stated in this document, the document is intended as general guidance for parties evaluating soil vapor intrusion and is not a regulation, rule or requirement.

The NYSDOH air guidance value for TCE is $5 \mu\text{g}/\text{m}^3$, for PCE is $100 \mu\text{g}/\text{m}^3$ and for methylene chloride is $60 \mu\text{g}/\text{m}^3$.

The concentrations of TCE detected in soil vapor samples AEI-SV1, AEI-SV2 and AEI-SV3 were above the NYSDOH air guidance value.

The concentration of PCE detected in soil sample AEI-SV2 was below the NYSDOH air guidance value.

The concentrations of methylene chloride in soil vapor samples AEI-SV1, AEI-SV2 and AEI-SV3 were below the NYSDOH air guidance value. The

The NYSDOH utilizes decision matrices as risk management tools to provide guidance about actions that should be taken to address current and potential exposures related to soil vapor intrusion. There are two decision matrices, designed for different contaminants. Matrix 1 is designed for carbon tetrachloride and TCE. Matrix 2 is designed for PCE and 1,1,1,-TCA. Based on the laboratory results, Matrix 1 was utilized. A copy of the decision matrices is included as part of Attachment C.

The decision matrices recommend a suitable course of action based upon the comparison of ambient air to soil vapor samples. According to Matrix 2, any concentration of PCE detected between 50 and $<250 \mu\text{g}/\text{m}^3$, would require monitoring and/or mitigation.

Soil vapor sample analytical data is summarized in Table 3, Sub Slab Vapor Sample Analytical Results Summary.

V Summary and Conclusions

The purpose of this Supplemental Phase II was to determine the potential source(s) of previously detected TCE as well as to further delineate the extent of a possible plume. In addition, AEI investigated the former area excavated by Leader between 2004 and 2006, specifically the area of the sewer pump station as well as investigated the potential for soil vapor intrusion based on the previously detected TCE at the site.

Based on the analytical results of this investigation, it appears that a release of VOCs, particularly TCE has impacted the subject property. AEI believes that based on these results; there are currently three areas of concern (AOCs):

- AOC1 – TCE groundwater plume located at the west side of Building 3

- AOC2 – TCE soil (and groundwater) impacts in the area of the sewer pump station
- AOC3 – TCE soil vapor intrusion potential

AOC1:

Based on the groundwater analytical results, it appears that the former groundwater sample collected at boring AEI-B2 represent the western edge of a more significant TCE release in groundwater. Three of the four groundwater samples collected during this investigation in the borings surrounding AEI-B2 yielded concentrations of TCE above the NYSDEC AWQS with the highest concentration found in sample AEI-B7 located near the southwest corner of Building 3. Based on these results it appears that a release of TCE has impacted the groundwater in the western area of Building 3. Based on the previous groundwater results from borings AEI-B1 and AEI-B3 it does not appear that this release has migrated in shallow groundwater to the canal; however additional sampling would be necessary immediately north of this area to make a more defined determination.

AEI understands that, under Article 27 of New York State Environmental Conservation Law (ECL) that the NYSDEC could seek to require further investigation or clean up. In the event the property owner wishes to secure regulatory closure, it would be necessary to notify the NYSDEC of site conditions and seek to enter the property into the Brownfield Cleanup Program (BCP). Based on AEI's experience, the NYSDEC would likely require additional delineation and possibly corrective action in order to secure a no further action (NFA) status. It is AEI's opinion that further delineation of this plume would include additional soil and groundwater sampling in this area as well as the installation of monitoring wells.

Although metals were detected above the NYSDEC AWQS in the groundwater samples sampled, these samples were collected using a bailer grab sample methodology with temporary wells which can cause samples to have higher metal concentrations than if collected utilizing a low flow methodology from permanent monitoring wells.

AOC2:

Based on the soil sample analytical results, it appears that the former excavation of TCE impacted soils conducted by Leader between 2004 and 2006 did not fully address the TCE previously detected in this area. It was noted by AEI following a review of the 2006 Leader Summary report that no confirmation soil sampling was performed during the soil excavation and therefore the full extent of TCE contamination in this area, may not have been removed.

AEI understands that, under Article 27 of New York State ECL that the NYSDEC could seek to require further investigation or clean up. In the event the property owner wishes to secure regulatory closure, it would be necessary to notify the NYSDEC of site conditions and seek to enter the property into the BCP. Based on AEI's experience, the NYSDEC would likely require additional delineation and possibly corrective action in order to secure a NFA status. It is AEI's opinion that additional delineation of the TCE

detected in soil would include additional soil sampling in this area as well as the collection of groundwater from this area.

AOC3:

TCE was detected at significant concentrations in all three sub slab sampling points. The concentrations of TCE were above the NYSDOH air guidance values and would require monitoring and/or mitigation based on the Matrix 1 decision matrices.

AEI recommends that further investigation should be undertaken at the site to explore the extent to which the soil within these interior spaces has been impacted. The investigation should consist of soil, groundwater, and soil vapor sampling to delineate the full extent of the identified TCE release. Furthermore, based on the NYSDOH Soil Vapor Intrusion Guidance document, soil vapor intrusion mitigation may be needed as recommended in Section 4.1 of the NYSDOC guidance document (please refer to Attachment C).

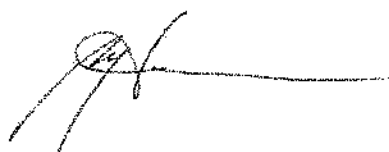
VI Report Limitation

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

If there are any questions regarding our investigation, please do not hesitate to contact either of the undersigned at (201) 332-1844.

Sincerely,
AEI Consultants



Paul Hinkston
Senior Project Manager



Peter McIntyre
Geologist, Senior Author

Figures

- Figure 1: Site Location Map
- Figure 2: Site Map
- Figure 3: Former Leader Excavations
- Figure 4: GPR Survey Locations
- Figure 5: Boring Location Map

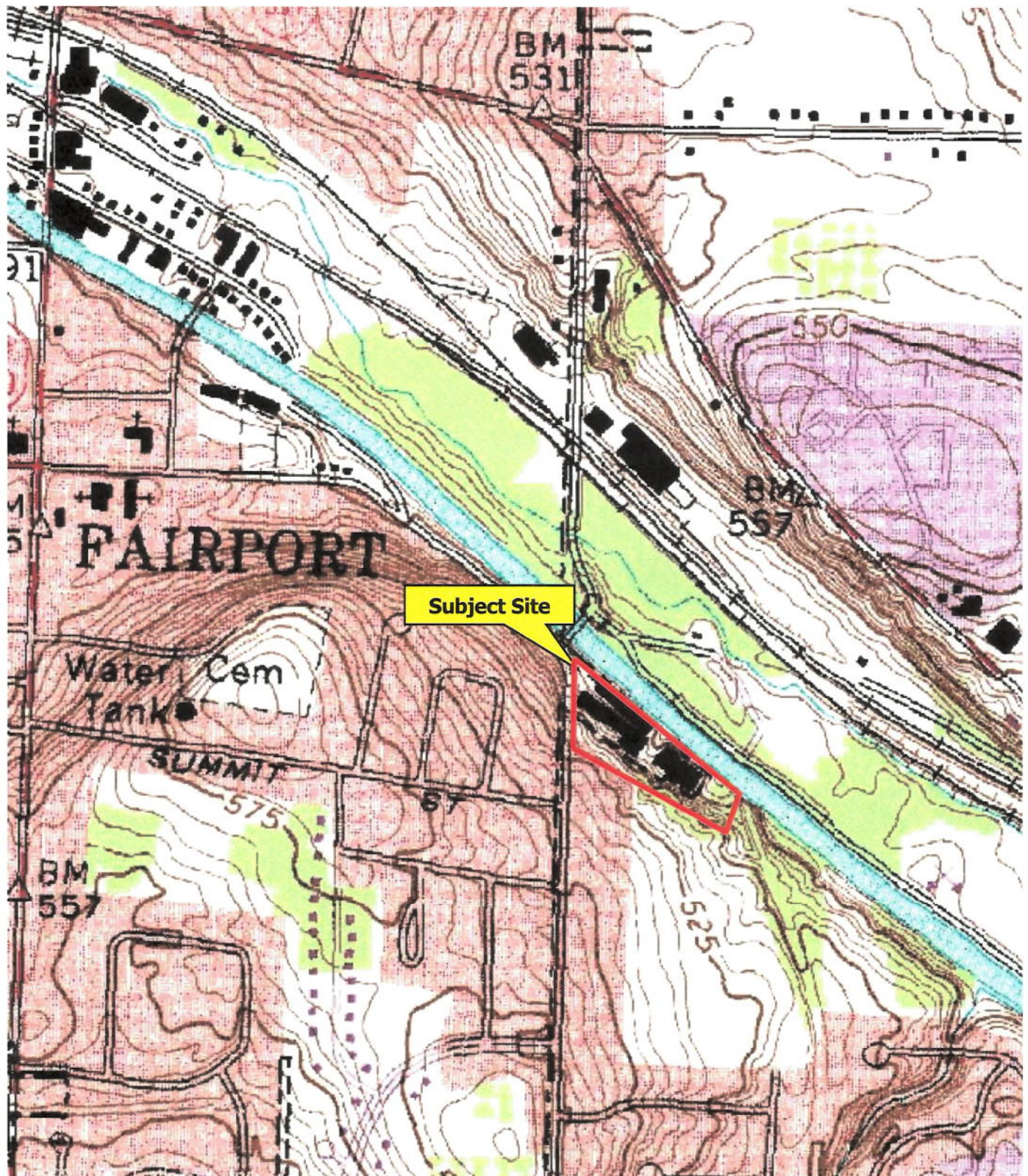
Tables

- Table 1: Soil Sample Analytical Data
- Table 2: Groundwater Sample Analytical Data
- Table 3: Sub Slab Soil Vapor Sample Analytical Data

Appendices

- Appendix A: Boring Logs
- Appendix B: Sample Analytical Documentation
- Appendix C: NYSDOH Soil Vapor Intrusion Guidance

FIGURES



USGS TOPOGRAPHIC MAP
FAIRPORT, NY QUADRANGLE
Created 1978

SITE LOCATION MAP

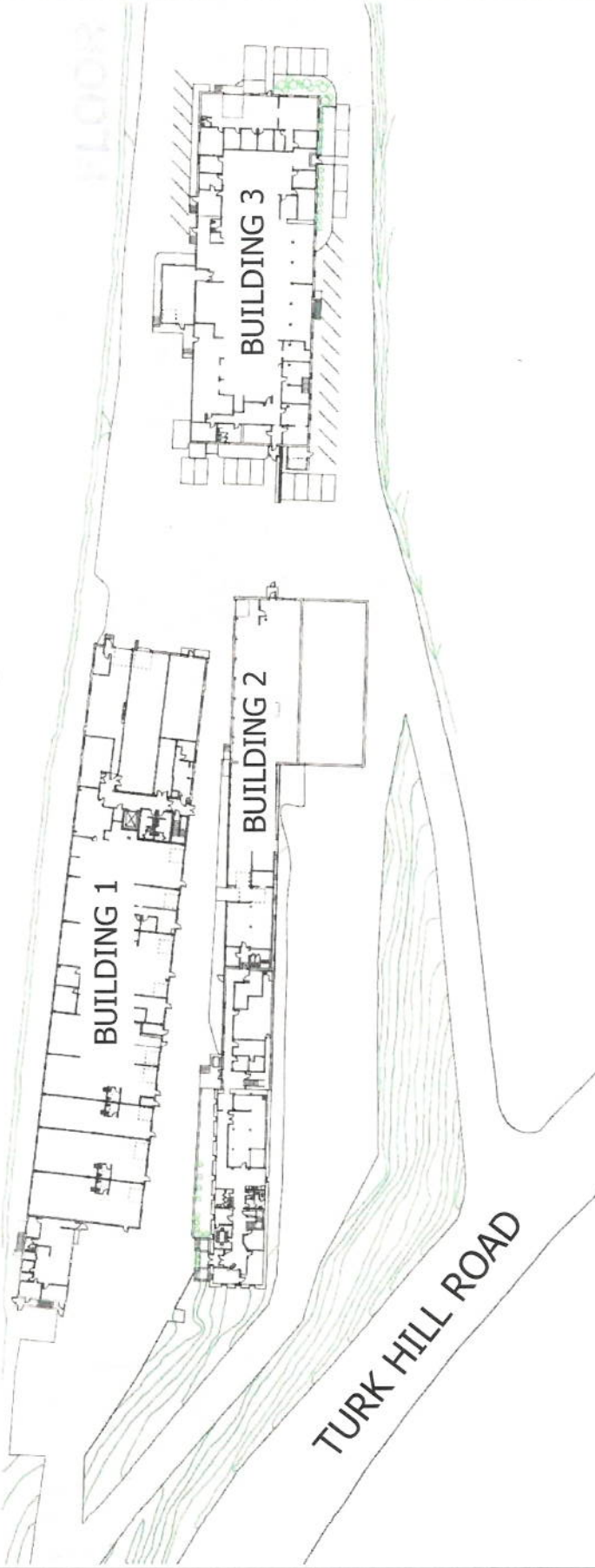
1000 Turk Hill Road
Fairport, New York 14458

FIGURE 1
Job No: 281873



ERIE CANAL

FLOOR 2



LEGEND

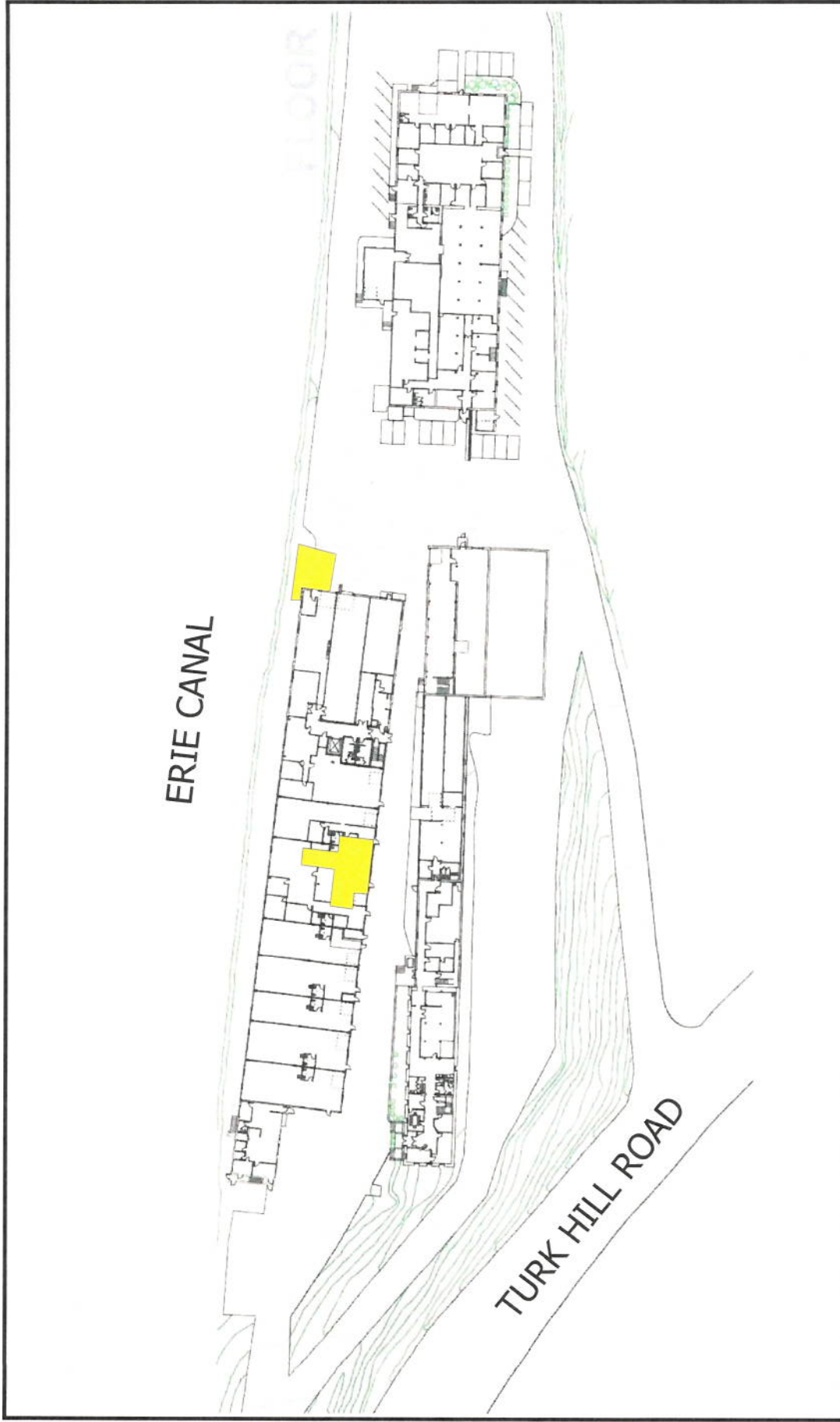


SITE MAP

1000 Turk Hill Road
Fairport, New York 14458

FIGURE 2
Job No: 281873

AEI

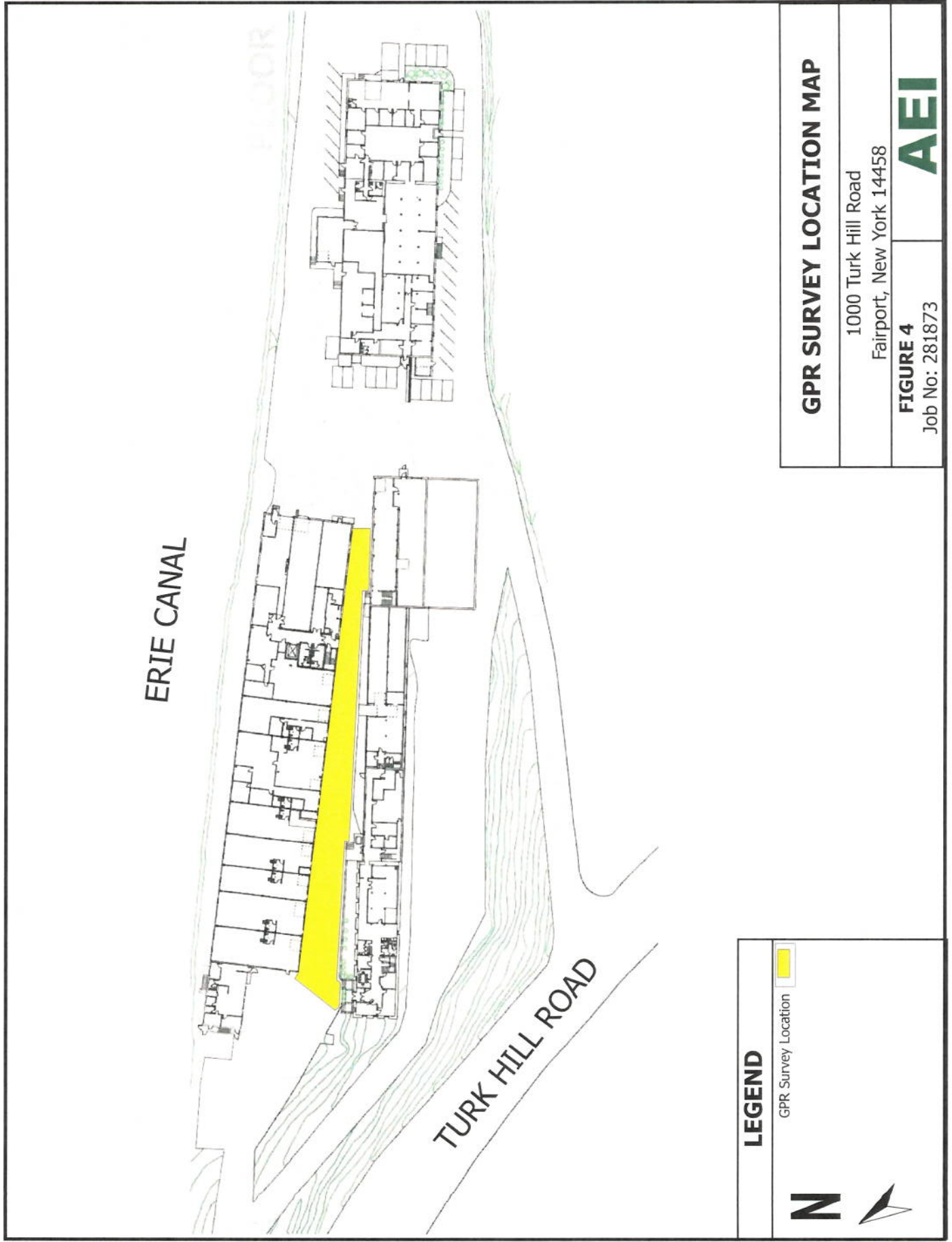


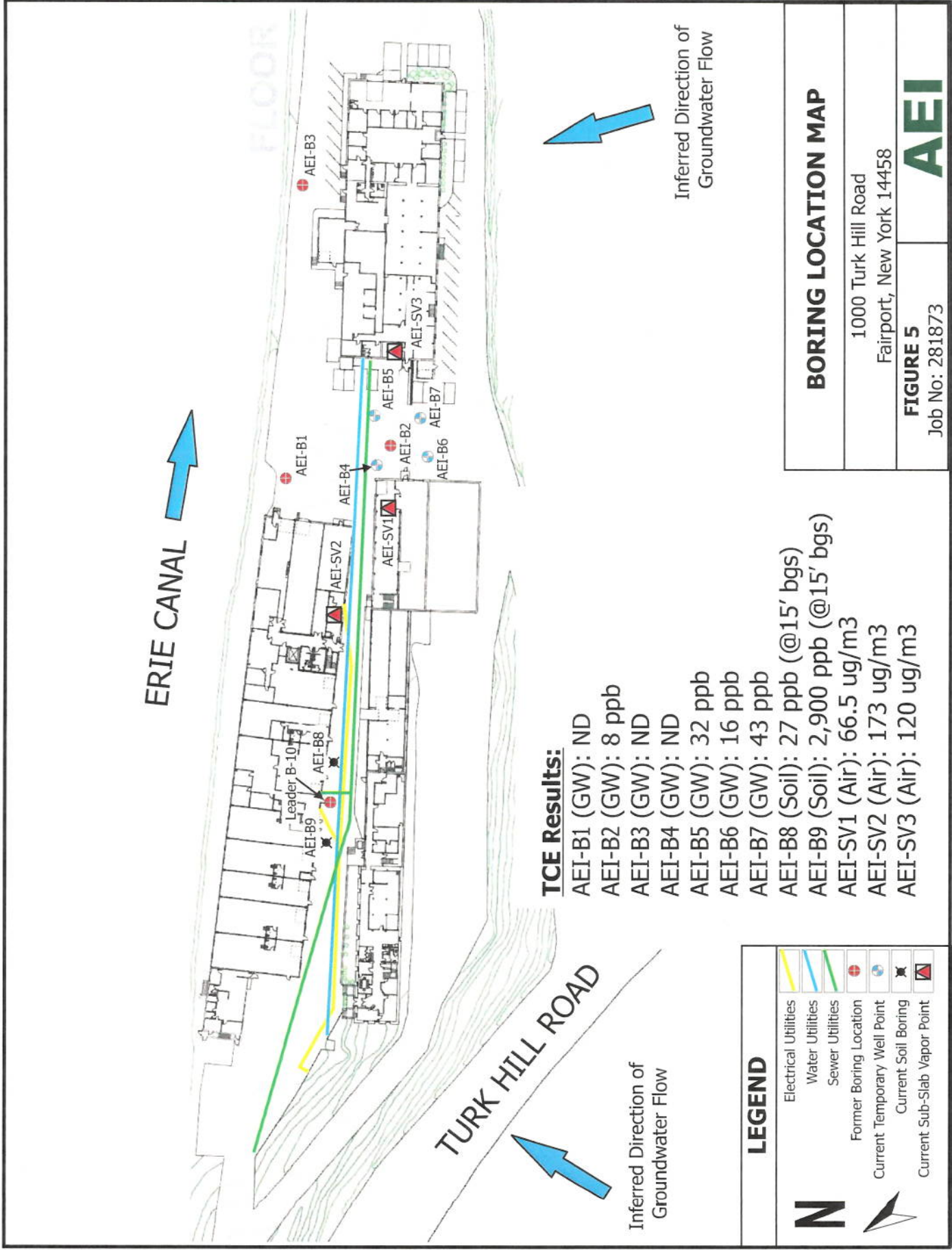
LEGEND

Approximate Areas of Former
Leader Excavations

N

FORMER EXCAVATION MAP	
1000 Turk Hill Road Fairport, New York 14458	
FIGURE 3 Job No: 281873	AEI





TABLES

TABLE 1

Soil Sample Results Summary
1000 Turk Hill Road
Fairport, New York 14458
AEI Project # 281873

Sample ID:	AEI-B8	AEI-B9	NYSDEC SCO - Protection of Public Health (Commercial)	NYSDEC SCO - Protection of Groundwater
Sample Date:	(µg/kg) 2/6/2009	(µg/kg) 2/6/2009	(µg/kg)	(µg/kg)
Sample Interval	Conc.	Conc.		
Volatile Organic Compounds (VOCs) via EPA Method 8260:				
Toluene	ND	71	500000	700
Trichloroethylene	27	2900	200000	470
All other VOCs	ND	ND	N/A	N/A

Notes:

*As per New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs)

ND=Non Detect

N/A= Not Applicable

Bold values are in excess of the NYSDEC SRO

TABLE 2
Groundwater Sample Results Summary
1000 Turk Hill Road
Fairport, New York 14458
AEI Project # 281873

Sample ID:	AEI-B1	AEI-B2	AEI-B3	AEI-B4	AEI-B5	AEI-B6	AEI-B7	NYSDEC-AWQS*
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Sample Date:	11/25/2008	11/25/2008	11/25/2008	2/6/2009	2/6/2009	2/5/2009	2/5/2009	
Sample Interval	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.	
Volatile Organic Compounds								
(VOCs) via EPA Method 8260:								
Cis-1,2-Dichloroethylene	ND	ND	ND	6	6	6	10	5
Trichloroethylene	ND	8	ND	ND	32	16	43	5
Trichloroethene	ND	ND	ND	35	ND	ND	ND	5
All other VOCs	ND	ND	ND	ND	ND	ND	ND	N/A
PP-13 metals via EPA Method 6010/6020:								
Antimony	N/A	N/A	N/A	72	138	60	ND	3
Beryllium	N/A	N/A	N/A	16	23	20	ND	3
Chromium	N/A	N/A	N/A	147	25	213	20	50
Lead	N/A	N/A	N/A	119	58	163	ND	50
Nickel	N/A	N/A	N/A	344	788	465	14	100
All other metals	N/A	N/A	N/A	<AWQS	<AWQS	<AWQS	<AWQS	N/A

Notes:
 *As per New York State Department of Environmental Conservation (NYSDEC) ambient water quality standards (AWQS) for groundwater (1998)
 ND=Not Detect
 N/A= Not Applicable
Bold values are in excess of the NYSDEC AWQS

TABLE 3
Sub Slab Soil Vapor Sample Results Summary
1000 Turk Hill Road
Fairport, New York 14458
AEI Project # 281873

Sample ID:	AEI-SV1	AEI-SV2	AEI-SV3	NYSDOH - Air Guidance Value*
	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)
Sample Date:	2/5/2009	2/5/2009	2/5/2009	
Sample Interval	Conc.	Conc.	Conc.	
Volatile Organic Compounds (VOCs) via EPA Method 8260:				
Carbon Tetrachloride	0.758	1.16	5.96	N/A
Chloroform	0.512	ND	ND	N/A
Chloromethane	ND	1.86	21.1	N/A
Cis-1,2-Dichloroethylene	8.76	0.444	ND	N/A
Methylene Chloride	5.6	6.77	10.3	60
Tetrachloroethylene	ND	1.42	ND	100
1,1,1-Trichloroethylene	ND	2.5	ND	N/A
Trichloroethylene	66.5	173	120	5
Trichlorofluoromethane	1.67	1.63	1.71	N/A
Benzene	0.916	24.3	38.3	N/A
Ethylbenzene	2.1	2.16	1.58	N/A
Toluene	3.3	34.5	7.04	N/A
m,p-Xylene	8.15	10.3	6.03	N/A
o-Xylene	2.78	2.91	1.95	N/A
Styrene	0.57	0.485	ND	N/A
2-Butanone	5.21	4.27	7.42	N/A
All other VOCs	ND	ND	ND	N/A

Notes:

*As per New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York 2006

ND=Non Detect

N/A= Not Applicable

Bold values are in excess of the NYSDOH Air Guidance Value

ATTACHMENT A

SOIL BORING LOGS

Project: Turk Hill Park
Project Location: 1000 Turk Hill Road, Fairport, New York 14458
Project Number: 281183

Log of Boring AEI-B1

Sheet 1 of 1

Date(s) Drilled	November 25, 2008	Logged By	Victor DeTroy	Checked By	Aaron Epstein
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	10 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	477 feet AMSL
Groundwater Level and Date Measured	10 feet ATD	Sampling Method(s)	Stainless Steel Split Spoon	Well Permit	Not Applicable
Borehole Backfill	Cuttings and Cement Patch	Location	25 feet east of the northeast corner of the subject property building # 2		

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
477	0					Asphalt		
						moist dark brown silty clay	0	No odors or discoloration observed.
472	5					moist dark brown silty clay	0	No odors or discoloration observed.
467	10		AEI-B1			Bottom of Boring at 10 feet bgs (ATD)		AEI-B1 groundwater sample collected and submitted to laboratory.
462	15							
457	20							
452	25							

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Figure of Boring Log AEI-B1

Project: Turk Hill Park

Project Location: 1000 Turk Hill Road, Fairport, New York 14458

Project Number: 281183

Log of Boring AEI-B2

Sheet 1 of 2

Date(s) Drilled	November 25, 2008	Logged By	Victor DeTroy	Checked By	Aaron Epstein
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	27 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	477 feet AMSL
Groundwater Level and Date Measured	22 feet ATD	Sampling Method(s)	Stainless Steel Split Spoon	Well Permit	Not Applicable
Borehole Backfill	Cuttings and Cement Patch	Location	20 feet east and 20 feet west of the northeast corner of the subject property building # 1		

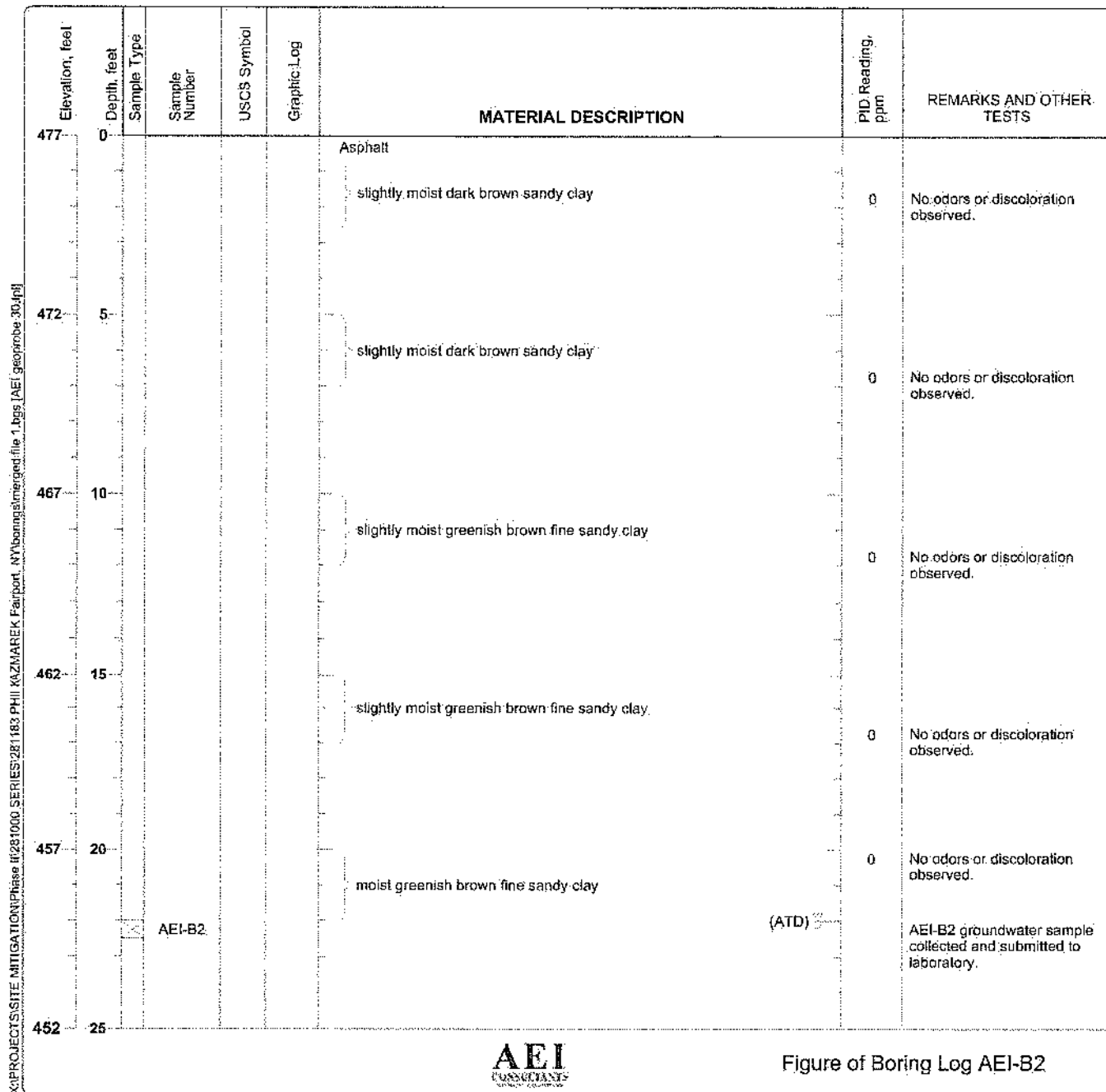


Figure of Boring Log AEI-B2

Project: Turk Hill Park

Project Location: 1000 Turk Hill Road, Fairport, New York 14458

Project Number: 281183

Log of Boring AEI-B2

Sheet 2 of 2

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
25						Asphalt (cont.)		
449						Bottom of Boring at 27 feet bgs		
30								
444								
35								
439								
40								
434								
45								
429								
50								
424								
55								
419								

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AEI
CONSULTANTS

Figure of Boring Log AEI-B2

Project: Turk Hill Park
Project Location: 1000 Turk Hill Road, Fairport, New York 14458
Project Number: 281183

Log of Boring AEI-B3

Sheet 1 of 1

Date(s) Drilled	November 25, 2008	Logged By	Victor DeTroy	Checked By	Aaron Epstein
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	10 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	477 feet AMSL
Groundwater Level and Date Measured	10 feet ATD	Sampling Method(s)	Stainless Steel Split Spoon	Well Permit	Not Applicable
Borehole Backfill	Cuttings and Cement Patch	Location	65 feet north and 85 feet west of the northeast corner of the subject property building # 3		

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
477	0					Asphalt		
						moist dark brown silty clay	0	No odors or discoloration observed.
472	5					moist dark brown silty clay	0	No odors or discoloration observed.
467	10		AEI-B3			Bottom of Boring at 10 feet bgs (ATD)		AEI-B3 groundwater sample collected and submitted to laboratory.
462	15							
457	20							
452	25							



Figure of Boring Log AEI-B3

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Project: Turk Hill Park
Project Location: 1000 Turk Hill Road, Fairport, New York 14458
Project Number: 281873

Log of Boring AEI-B4

Sheet 1 of 1

Date(s) Drilled	February 6, 2009	Logged By	Paul Hinkston	Checked By	Peter McIntyre
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	25 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	479 feet AMSL
Groundwater Level and Date Measured	21 feet ATD	Sampling Method(s)	Stainless Steel Split Spoon	Hammer Data	Not Applicable
Borehole Backfill	Cuttings and Asphalt Patch	Location	10 feet northwest of former boring AEI-B2		

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
479	0							Asphalt	
								slightly moist brown silty clay	No odors or discoloration observed.
474	5							slightly moist brown silty clay	No odors or discoloration observed.
469	10							slightly moist dark brown fine silty clay	No odors or discoloration observed.
464	15							slightly moist brown fine silty clay with some sands	No odors or discoloration observed.
459	20							moist to wet brown fine silty clay with some sands and weathered bedrock (ATD)	AEI-B4 groundwater sample collected and submitted to laboratory.
454	25							Bottom of Boring at 25 feet bgs	
449	30								

Figure of Boring Log AEI-B4

Project: Turk Hill Park
Project Location: 1000 Turk Hill Road, Fairport, New York 14458
Project Number: 281873

Log of Boring AEI-B5

Sheet 1 of 1

Date(s) Drilled	February 6, 2009	Logged By	Paul Hinkston	Checked By	Peter McIntyre
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	25 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	479 feet AMSL
Groundwater Level and Date Measured	21 feet ATD	Sampling Method(s)	Stainless Steel Split Spoon	Hammer Data	Not Applicable
Borehole Backfill	Cuttings and Asphalt Patch	Location	15 feet northeast of former boring AEI-B2		

Elevation, feet	Depth, feet	Sample Type Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
479	0				SM-ML		Asphalt slightly moist brown/tan silty clay	No odors or discoloration observed.
474	5						slightly moist dark brown silty clay	No odors or discoloration observed.
469	10						slightly moist dark brown fine silty clay	No odors or discoloration observed.
464	15						slightly moist brown fine silty clay with some sands	No odors or discoloration observed.
459	20	AEI-B5					moist to wet brown fine silty clay with some sands and weathered bedrock (ATD)	AEI-B5 groundwater sample collected and submitted to laboratory.
454	25						Bottom of Boring at 25 feet bgs	
449	30							

Figure of Boring Log AEI-B5

Project: Turk Hill Park
Project Location: 1000 Turk Hill Road, Fairport, New York 14458
Project Number: 281873

Log of Boring AEI-B6

Sheet 1 of 1

Date(s) Drilled	February 5, 2009	Logged By	Paul Hinkston	Checked By	Peter McIntyre
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	27 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	485 feet AMSL
Groundwater Level and Date Measured	23 feet ATD	Sampling Method(s)	Stainless Steel Split Spoon	Hammer Data	Not Applicable
Borehole Backfill	Cuttings and Asphalt Patch	Location	25 feet southwest of former boring AEI-B2		

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
485	0							Asphalt	
								slightly moist brown silty clay	No odors or discoloration observed.
480	5							slightly moist dark brown silty clay	No odors or discoloration observed.
475	10							slightly moist dark brown fine silty clay	No odors or discoloration observed.
470	15							slightly moist brown fine silty clay with some sands	No odors or discoloration observed.
465	20							moist to wet brown fine silty clay with some sands and weathered bedrock	
		AEI-B6						(ATD)	AEI-B6 groundwater sample collected and submitted to laboratory.
460	25								
								Bottom of Boring at 27 feet bgs	
455	30								

Figure of Boring Log AEI-B6

Project: Turk Hill Park

Project Location: 1000 Turk Hill Road, Fairport, New York 14458

Project Number: 281873

Log of Boring AEI-B7

Sheet 1 of 1

Date(s) Drilled	February 5, 2009	Logged By	Paul Hinkston	Checked By	Peter McIntyre
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	27 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	486 feet AMSL
Groundwater Level and Date Measured	23 feet ATD	Sampling Method(s)	Stainless Steel Split Spoon	Hammer Data	Not Applicable
Borehole Backfill	Cuttings and Asphalt Patch	Location	30 feet southeast of former boring AEI-B2		

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
486	0							Asphalt	
								slightly moist brown/tan silty clay	No odors or discoloration observed.
481	5							slightly moist brown silty clay	No odors or discoloration observed.
476	10							slightly moist dark brown fine silty clay	No odors or discoloration observed.
471	15							slightly moist brown fine silty clay with some sands	No odors or discoloration observed.
466	20							moist to wet brown fine silty clay with some sands and weathered bedrock	
									(ATD) AEI-B7 groundwater sample collected and submitted to laboratory.
461	25								
								Bottom of Boring at 27 feet bgs	
456	30								

Figure of Boring Log AEI-B7

Project: Turk Hill Park

Project Location: 1000 Turk Hill Road, Fairport, New York 14458

Project Number: 281873

Log of Boring AEI-B8

Sheet 1 of 1

Date(s) Drilled	February 6, 2009	Logged By	Paul Hinkston	Checked By	Peter McIntyre
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	16 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	477 feet AMSL
Groundwater Level and Date Measured	Not Encountered ATD	Sampling Method(s)	Stainless Steel Split Spoon	Hammer Data	Not Applicable
Borehole Backfill	Cuttings and Asphalt Patch	Location	25 feet east of the sewer pump station south of Building 1		

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
477	0							Asphalt	
								dry brown/tan silty clay	No odors or discoloration observed.
472	5							slightly moist to dry brown silty clay	No odors or discoloration observed.
467	10							slightly moist to dry dark brown fine silty clay with some rocky material	No odors or discoloration observed.
462	15							Bottom of Boring at 16 feet bgs. Refusal encountered due to bedrock.	No odors or discoloration observed.
457	20								
452	25								AEI-B7 groundwater sample collected and submitted to laboratory.
447	30								

Figure of Boring Log AEI-B8

Project: Turk Hill Park

Project Location: 1000 Turk Hill Road, Fairport, New York 14458

Project Number: 281873

Log of Boring AEI-B9

Sheet 1 of 1

Date(s) Drilled	February 6, 2009	Logged By	Paul Hinkston	Checked By	Peter McIntyre
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2 1/4 inch	Total Depth of Borehole	16 feet bgs
Drill Rig Type	CME 75	Drilling Contractor	SJB Drilling	Approximate Surface Elevation	477 feet AMSL
Groundwater Level and Date Measured	Not Encountered ATD	Sampling Method(s)	Stainless Steel Split Spoon	Hammer Data	Not Applicable
Borehole Backfill	Cuttings and Asphalt Patch	Location	35 feet west of the sewer pump station south of Building 1		

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
477	0							Asphalt.	
								dry brown/tan silty clay	No odors or discoloration observed.
472	5							slightly moist to dry brown silty clay	No odors or discoloration observed.
467	10							slightly moist to dry dark brown fine silty clay	No odors or discoloration observed.
462	15							Bottom of Boring at 16 feet bgs. Refusal encountered due to bedrock.	No odors or discoloration observed.
457	20								
			AEI-B7						AEI-B7 groundwater sample collected and submitted to laboratory.
452	25								
447	30								

Figure of Boring Log AEI-B9

ATTACHMENT B

LABORATORY ANALYSIS REPORT

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

**AEI Consultants
30 Montgomery Street
Suite 1450
Jersey City, NJ 07302
Attention: Paul Hinkston**

Report Date: 2/12/2009
Re: Client Project ID: 281873 Turk Hill Park
York Project No.: 09020257

CT License No. PH-0723

New Jersey License No. CT-005

New York License No. 10854



Report Date: 2/12/2009
 Client Project ID: 281873 Turk Hill Park
 York Project No.: 09020257

AEI Consultants
 30 Montgomery Street
 Suite 1450
 Jersey City, NJ 07302
 Attention: Paul Hinkston

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 02/09/09. The project was identified as your project "281873 Turk Hill Park".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			AEI-B4-GW		AEI-B5-GW	
York Sample ID			09020257-02		09020257-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			6(cis-)	5.0	6(cis-)	5.0

YORK

Client Sample ID			AEI-B4-GW		AEI-B5-GW	
York Sample ID			09020257-02		09020257-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	32	5.0
Trichlorofluoromethane			35	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Metals, Priority Pollutant List	EPA SW846-6010	mg/L	---	---	---	---
Antimony			0.072	0.006	0.138	0.006
Arsenic			Not detected	0.004	0.021	0.004
Beryllium			0.016	0.0001	0.0028	0.0001
Cadmium			Not detected	0.003	Not detected	0.003
Chromium			0.147	0.005	0.025	0.005
Copper			0.090	0.005	Not detected	0.005
Lead			0.119	0.003	0.058	0.003

YORK

Client Sample ID			AEI-B4-GW		AEI-B5-GW	
York Sample ID			09020257-02		09020257-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Nickel			0.344	0.005	0.788	0.005
Selenium			Not detected	0.005	Not detected	0.005
Silver			Not detected	0.005	0.023	0.005
Thallium			Not detected	0.005	Not detected	0.005
Zinc			0.241	0.005	0.193	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0020	Not detected	0.0020

Client Sample ID			AEI-B6-GW		AEI-B7-GW	
York Sample ID			09020257-05		09020257-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			6(cis-)	5.0	10(cis-)	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			AEI-B6-GW		AEI-B7-GW	
York Sample ID			09020257-05		09020257-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			16	5.0	43	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Metals, Priority Pollutant List	EPA SW846-6010	mg/L	---	---	---	---
Antimony			0.060	0.006	Not detected	0.006
Arsenic			Not detected	0.004	Not detected	0.004
Beryllium			0.020	0.0001	Not detected	0.0001
Cadmium			0.004	0.003	Not detected	0.003
Chromium			0.213	0.005	0.020	0.005
Copper			0.172	0.005	0.014	0.005
Lead			0.163	0.003	Not detected	0.003
Nickel			0.465	0.005	0.014	0.005
Selenium			Not detected	0.005	Not detected	0.005
Silver			Not detected	0.005	Not detected	0.005
Thallium			Not detected	0.005	Not detected	0.005
Zinc			0.428	0.005	0.029	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0020	Not detected	0.0002

Client Sample ID			AEI-B8-15'		AEI-B9-15'	
York Sample ID			09020257-08		09020257-09	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	50
1,1,1-Trichloroethane			Not detected	10	Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	50
1,1,2-Trichloroethane			Not detected	10	Not detected	50
1,1-Dichloroethane			Not detected	10	Not detected	50
1,1-Dichloroethylene			Not detected	10	Not detected	50
1,1-Dichloropropylene			Not detected	10	Not detected	50

YORK

Client Sample ID			AEI-B8-15'		AEI-B9-15'	
York Sample ID			09020257-08		09020257-09	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trichlorobenzene			Not detected	10	Not detected	50
1,2,3-Trichloropropane			Not detected	10	Not detected	50
1,2,4-Trichlorobenzene			Not detected	10	Not detected	50
1,2,4-Trimethylbenzene			Not detected	10	Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	50
1,2-Dibromoethane			Not detected	10	Not detected	50
1,2-Dichlorobenzene			Not detected	10	Not detected	50
1,2-Dichloroethane			Not detected	10	Not detected	50
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	50
1,2-Dichloropropane			Not detected	10	Not detected	50
1,3,5-Trimethylbenzene			Not detected	10	Not detected	50
1,3-Dichlorobenzene			Not detected	10	Not detected	50
1,3-Dichloropropane			Not detected	10	Not detected	50
1,4-Dichlorobenzene			Not detected	10	Not detected	50
2,2-Dichloropropane			Not detected	10	Not detected	50
2-Chlorotoluene			Not detected	10	Not detected	50
4-Chlorotoluene			Not detected	10	Not detected	50
Benzene			Not detected	10	Not detected	50
Bromobenzene			Not detected	10	Not detected	50
Bromochloromethane			Not detected	10	Not detected	50
Bromodichloromethane			Not detected	10	Not detected	50
Bromoform			Not detected	10	Not detected	50
Bromomethane			Not detected	10	Not detected	50
Carbon tetrachloride			Not detected	10	Not detected	50
Chlorobenzene			Not detected	10	Not detected	50
Chloroethane			Not detected	10	Not detected	50
Chloroform			Not detected	10	Not detected	50
Chloromethane			Not detected	10	Not detected	50
cis-1,3-Dichloropropylene			Not detected	10	Not detected	50
Dibromochloromethane			Not detected	10	Not detected	50
Dibromomethane			Not detected	10	Not detected	50
Dichlorodifluoromethane			Not detected	10	Not detected	50
Ethylbenzene			Not detected	10	Not detected	50
Hexachlorobutadiene			Not detected	10	Not detected	50
Isopropylbenzene			Not detected	10	Not detected	50
Methylene chloride			Not detected	10	Not detected	50
MTBE			Not detected	10	Not detected	50
Naphthalene			Not detected	10	Not detected	50
n-Butylbenzene			Not detected	10	Not detected	50
n-Propylbenzene			Not detected	10	Not detected	50
o-Xylene			Not detected	10	Not detected	50
p- & m-Xylenes			Not detected	10	Not detected	50
p-Isopropyltoluene			Not detected	10	Not detected	50
sec-Butylbenzene			Not detected	10	Not detected	50
Styrene			Not detected	10	Not detected	50

YORK

Client Sample ID			AEI-B8-15'		AEI-B9-15'	
York Sample ID			09020257-08		09020257-09	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
tert-Butylbenzene			Not detected	10	Not detected	50
Tetrachloroethylene			Not detected	10	Not detected	50
Toluene			Not detected	10	71	50
trans-1,3-Dichloropropylene			Not detected	10	Not detected	50
Trichloroethylene			27	10	2900	50
Trichlorofluoromethane			Not detected	10	Not detected	50
Vinyl chloride			Not detected	10	Not detected	50

Units Key:

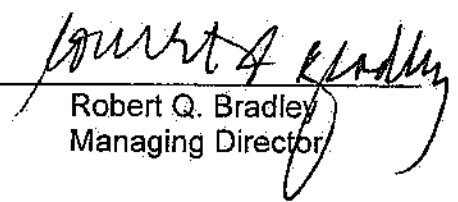
For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm.; ug/kg = ppb

Notes for York Project No. 09020257

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:


Robert Q. Bradley
Managing Director

Date: 2/12/2009

YORK

YORK

ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE STRATFORD, CT 06615
TEL (203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

09020257

Company Name AEI CONSULTANTS	Report To: Paul Hinkston	Invoice To: AEI CONSULTANTS	Project ID/No. 201873 Tuxx Hill Park	Samples Collected By (Signature) <i>[Signature]</i> Paul Hinkston
--	------------------------------------	---------------------------------------	--	--

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air OTHER		
AE1-B4-10'		2-5-09		X		HOLD	8 oz JAR
AE1-B4-40'		2-6-09	X	X		VOCs, PP-13 Metal	(1) 500-ml plastic (2) 40-ml VOA's
AE1-B5-10'		2-5-09		X		HOLD	8 oz JAR
AE1-B5-40'		2-6-09	X			VOCs, PP-13 Metal	(1) 500-ml plastic (2) 40-ml VOA's
AE1-B6-40'		2-5-09	X			VOCs, PP-13 Metal	(1) 500-ml plastic (2) 40-ml VOA's
AE1-B7-40'		2-5-09	X			VOCs, PP-13 Metal	(1) 500-ml plastic (2) 40-ml VOA's
AE1-B7-25'		2-5-09		X		HOLD	8 oz JAR
AE1-B8-15'		2-6-09		X		VOCs	(3) 2 oz JARS
AE1-B9-15'		2-6-09		X		VOCs	(3) 2 oz JARS

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
		<i>[Signature]</i>	2/9/09	<i>[Signature]</i>	2-9-09 10:16 AM
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
				<i>[Signature]</i>	2/9/09
Comments/Special Instructions 3.80%				Turn-Around Time ☒ Standard ☐ RUSH(define)	



Analytical Report Cover Page

SJB

For Lab Project # 09-0485

Issued February 18, 2009

This report contains a total of 58 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2630 FAX (585) 647 - 3311

Volatile Analysis Report for AirClient: **SJB**

Client Job Site: AEI

Lab Project Number: 09-0485

Lab Sample Number: 2077

Client Job Number: N/A

Field Location: AEI SV3

Date Sampled: 02/05/2009

Field ID Number: N/A

Date Received: 02/05/2009

Sample Type: Air

Date Analyzed: 02/10/2009

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.105	ND< 0.696
Bromoform	ND< 0.105	ND< 1.07
Bromomethane	ND< 0.105	ND< 0.404
Carbon Tetrachloride	0.959	5.96
Chlorethane	ND< 0.210	ND< 0.550
Chloroform	ND< 0.105	ND< 0.507
Chloromethane	E 10.3	E 21.1
Dibromochloromethane	ND< 0.105	ND< 0.885
1,2 Dibromoethane	ND< 0.105	ND< 0.799
1,1-Dichloroethane	ND< 0.105	ND< 0.421
1,1-Dichloroethene	ND< 0.105	ND< 0.412
1,2-Dichloroethane	ND< 0.105	ND< 0.421
cis-1,2-Dichloroethene	ND< 0.105	ND< 0.412
trans-1,2-Dichloroethene	ND< 0.105	ND< 0.412
1,2-Dichloropropane	ND< 0.210	ND< 0.962
cis-1,3-Dichloropropene	ND< 0.105	ND< 0.472
trans-1,3-Dichloropropene	ND< 0.105	ND< 0.472
Methylene Chloride	B 3.01	B 10.3
1,1,2,2-Tetrachloroethane	ND< 0.105	ND< 0.713
Tetrachloroethene	ND< 0.105	ND< 0.704
1,1,1-Trichloroethane	ND< 0.105	ND< 0.567
1,1,2-Trichloroethane	ND< 0.105	ND< 0.567
Trichloroethene	E 22.5	E 120
Trichlorofluoromethane	0.308	1.71
Freon 113	ND< 0.105	ND< 0.799
Vinyl Chloride	ND< 0.105	ND< 0.266

Aromatics	PPBv	ug / m3
Benzene	E 12.0	E 38.3
Chlorobenzene	ND< 0.105	ND< 0.481
Ethylbenzene	0.365	1.58
Toluene	1.87	7.04
m,p-Xylene	1.39	6.03
o-Xylene	0.450	1.95
Styrene	ND< 0.105	ND< 0.447
1,2-Dichlorobenzene	ND< 0.105	ND< 0.627
1,3-Dichlorobenzene	ND< 0.105	ND< 0.627
1,4-Dichlorobenzene	ND< 0.105	ND< 0.627

Ketones	PPBv	ug / m3
Acetone	B E 33.0	B E 78.3
2-Butanone	2.52	7.42
2-Hexanone	ND< 0.525	ND< 2.15
4-Methyl-2-Pentanone	ND< 0.525	ND< 2.15

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	1.55	4.82
Methyl-tert-Butyl Ether	ND< 0.105	ND< 0.378
Vinyl Acetate	ND< 0.105	ND< 0.369

ELAP Number 10958

Method: EPA TO-15

Data File: A3986.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume

ug / m3 = Microgram per cubic meter.

Signature:

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

090485A2.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Volatile Analysis Report for AirClient: **SJB**

Client Job Site: AEI

Lab Project Number: 09-0485

Lab Sample Number: 2078

Client Job Number: N/A

Field Location: AEI SV1

Date Sampled: 02/05/2009

Field ID Number: N/A

Date Received: 02/05/2009

Sample Type: Air

Date Analyzed: 02/10/2009

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.102	ND< 0.676
Bromoform	ND< 0.102	ND< 1.04
Bromomethane	ND< 0.102	ND< 0.392
Carbon Tetrachloride	0.122	0.758
Chlorethane	ND< 0.204	ND< 0.534
Chloroform	0.106	0.512
Chloromethane	ND< 0.102	ND< 0.209
Dibromochloromethane	ND< 0.102	ND< 0.859
1,2-Dibromoethane	ND< 0.102	ND< 0.776
1,1-Dichloroethane	ND< 0.102	ND< 0.409
1,1-Dichloroethene	ND< 0.102	ND< 0.400
1,2-Dichloroethane	ND< 0.102	ND< 0.409
cis-1,2-Dichloroethene	2.23	8.76
trans-1,2-Dichloroethene	ND< 0.102	ND< 0.400
1,2-Dichloropropane	ND< 0.204	ND< 0.934
cis-1,3-Dichloropropene	ND< 0.102	ND< 0.459
trans-1,3-Dichloropropene	ND< 0.102	ND< 0.459
Methylene Chloride	B 1.63	B 5.60
1,1,2,2-Tetrachloroethane	ND< 0.102	ND< 0.693
Tetrachloroethene	ND< 0.102	ND< 0.684
1,1,1-Trichloroethane	ND< 0.102	ND< 0.551
1,1,2-Trichloroethane	ND< 0.102	ND< 0.551
Trichloroethene	E 12.5	E 66.5
Trichlorofluoromethane	0.300	1.67
Freon 113	ND< 0.102	ND< 0.776
Vinyl Chloride	ND< 0.102	ND< 0.259

Aromatics	PPBv	ug / m3
Benzene	0.287	0.916
Chlorobenzene	ND< 0.102	ND< 0.467
Ethylbenzene	0.485	2.10
Toluene	0.877	3.30
m,p-Xylene	1.88	8.15
o-Xylene	0.642	2.78
Styrene	0.134	0.570
1,2-Dichlorobenzene	ND< 0.102	ND< 0.609
1,3-Dichlorobenzene	ND< 0.102	ND< 0.609
1,4-Dichlorobenzene	ND< 0.102	ND< 0.609

Ketones	PPBv	ug / m3
Acetone	B E 16.8	B E 39.9
2-Butanone	1.77	5.21
2-Hexanone	ND< 0.511	ND< 2.09
4-Methyl-2-Pentanone	ND< 0.511	ND< 2.09

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	E 7.29	E 22.7
Methyl-tert-Butyl Ether	ND< 0.102	ND< 0.367
Vinyl Acetate	ND< 0.102	ND< 0.359

ELAP Number 10958

Method: EPA TO-15

Data File: A3987.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume

ug / m3 = Microgram per cubic meter.

Signature:

Bruce Hoogesteger: Technical Director

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090485A3.XLS

**Volatile Analysis Report for Air**Client: **SJB**

Client Job Site: AEI

Lab Project Number: 09-0485

Lab Sample Number: 2079

Client Job Number: N/A

Field Location: AEI SV2

Date Sampled: 02/05/2009

Field ID Number: N/A

Date Received: 02/05/2009

Sample Type: Air

Date Analyzed: 02/10/2009

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.103	ND< 0.682
Bromoform	ND< 0.103	ND< 1.05
Bromomethane	ND< 0.103	ND< 0.396
Carbon Tetrachloride	0.187	1.16
Chlorethane	ND< 0.205	ND< 0.537
Chloroform	ND< 0.103	ND< 0.497
Chloromethane	0.910	1.86
Dibromochloromethane	ND< 0.103	ND< 0.868
1,2-Dibromoethane	ND< 0.103	ND< 0.784
1,1-Dichloroethane	ND< 0.103	ND< 0.413
1,1-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloroethane	ND< 0.103	ND< 0.413
cis-1,2-Dichloroethene	0.113	0.444
trans-1,2-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloropropane	ND< 0.205	ND< 0.939
cis-1,3-Dichloropropene	ND< 0.103	ND< 0.463
trans-1,3-Dichloropropene	ND< 0.103	ND< 0.463
Methylene Chloride	B 1.97	B 6.77
1,1,2,2-Tetrachloroethane	ND< 0.103	ND< 0.699
Tetrachloroethene	0.211	1.42
1,1,1-Trichloroethane	0.463	2.50
1,1,2-Trichloroethane	ND< 0.103	ND< 0.556
Trichloroethene	E 32.5	E 173
Trichlorofluoromethane	0.293	1.63
Freon 113	ND< 0.103	ND< 0.784
Vinyl Chloride	ND< 0.103	ND< 0.261

Aromatics	PPBv	ug / m3
Benzene	E 7.61	E 24.3
Chlorobenzene	ND< 0.103	ND< 0.472
Ethylbenzene	0.499	2.16
Toluene	E 9.18	E 34.5
m,p-Xylene	2.38	10.3
o-Xylene	0.671	2.91
Styrene	0.114	0.485
1,2-Dichlorobenzene	ND< 0.103	ND< 0.615
1,3-Dichlorobenzene	ND< 0.103	ND< 0.615
1,4-Dichlorobenzene	ND< 0.103	ND< 0.615

Ketones	PPBv	ug / m3
Acetone	B E 16.8	B E 39.9
2-Butanone	1.45	4.27
2-Hexanone	ND< 0.513	ND< 2.10
4-Methyl-2-Pentanone	ND< 0.513	ND< 2.10

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	ND< 0.513	ND< 1.59
Methyl-tert-Butyl Ether	ND< 0.103	ND< 0.371
Vinyl Acetate	ND< 0.103	ND< 0.362

ELAP Number 10958

Method: EPA TO-15

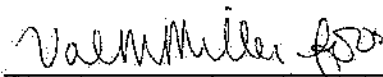
Data File: A3988.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume

ug / m3 - Microgram per cubic meter.

Signature:


 Bruce Hoogesteger, Technical Director

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090485A4.XLS

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Volatile Analysis Report for AirClient: **SJB**

Client Job Site: AEI

Lab Project Number: 09-0485

Lab Sample Number: Method Blank

Client Job Number: N/A

Field Location: N/A

Field ID Number: N/A

Sample Type: Air

Date Sampled: N/A

Date Received: N/A

Date Analyzed: 02/10/2009

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.102	ND< 0.676
Bromoform	ND< 0.102	ND< 1.04
Bromomethane	ND< 0.102	ND< 0.392
Carbon Tetrachloride	ND< 0.0409	ND< 0.254
Chlorethane	ND< 0.204	ND< 0.534
Chloroform	ND< 0.102	ND< 0.492
Chloromethane	ND< 0.102	ND< 0.209
Dibromochloromethane	ND< 0.102	ND< 0.859
1,2-Dibromoethane	ND< 0.102	ND< 0.776
1,1-Dichloroethane	ND< 0.102	ND< 0.409
1,1-Dichloroethene	ND< 0.102	ND< 0.400
1,2-Dichloroethane	ND< 0.102	ND< 0.409
cis-1,2-Dichloroethene	ND< 0.102	ND< 0.400
trans-1,2-Dichloroethene	ND< 0.102	ND< 0.400
1,2-Dichloropropane	ND< 0.204	ND< 0.934
cis-1,3-Dichloropropene	ND< 0.102	ND< 0.459
trans-1,3-Dichloropropene	ND< 0.102	ND< 0.459
Methylene Chloride	0.825	2.83
1,1,2,2-Tetrachloroethane	ND< 0.102	ND< 0.693
Tetrachloroethene	ND< 0.102	ND< 0.684
1,1,1-Trichloroethane	ND< 0.102	ND< 0.551
1,1,2-Trichloroethane	ND< 0.102	ND< 0.551
Trichloroethene	ND< 0.0481	ND< 0.256
Trichlorofluoromethane	ND< 0.102	ND< 0.567
Freon 113	ND< 0.102	ND< 0.776
Vinyl Chloride	ND< 0.102	ND< 0.259

Aromatics	PPBv	ug / m3
Benzene	ND< 0.102	ND< 0.325
Chlorobenzene	ND< 0.102	ND< 0.467
Ethylbenzene	ND< 0.102	ND< 0.442
Toluene	ND< 0.102	ND< 0.384
m,p-Xylene	ND< 0.102	ND< 0.442
o-Xylene	ND< 0.102	ND< 0.442
Styrene	ND< 0.102	ND< 0.434
1,2-Dichlorobenzene	ND< 0.102	ND< 0.609
1,3-Dichlorobenzene	ND< 0.102	ND< 0.609
1,4-Dichlorobenzene	ND< 0.102	ND< 0.609

Ketones	PPBv	ug / m3
Acetone	2.60	6.17
2-Butanone	ND< 0.511	ND< 1.50
2-Hexanone	ND< 0.511	ND< 2.09
4-Methyl-2-Pentanone	ND< 0.511	ND< 2.09

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	ND< 0.511	ND< 1.59
Methyl-tert-Butyl Ether	ND< 0.102	ND< 0.367
Vinyl Acetate	ND< 0.102	ND< 0.359

ELAP Number 10958

Method: EPA TO-15

Data File: A3982.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume

ug / m3 = Microgram per cubic meter.

Signature:


 Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

050485A1.XLS

2062

STD		OTHER	
☐	3	☐	
☐	5	☐	
☒	7	☐	

P.I.F.

GC/MS VOA Air System DSO

FS 8462A

Date	GC Method	Vial #	Data File	Matrix	Sample ID	Standard #	Volume	Initials
2/26/09	8260200	1-1	A39417		A39417			
		1-1	A39418		A39418			
		1-1	A39419		4.0 18800	rec		
		1-1	A39420		2.0	rec		
		1-1	A39421		1.0	rec		
		1-1	A39422		0.9	rec		
		1-1	A39423		0.1	20		
		2-9	A39424		20 A/L	rec		
		1-2	A39425		B/L-L	rec		
2/26/09	8260200	1-1	A39427		B/L-L			
		1-1	A39428		A/L			
		1-1	A39429		2.0 A/L	rec		
		1-1	A39430		2.0 A/L	rec		
		1-1	A39431		2.0 A/L	rec		
		1-1	A39432		2.0 A/L	rec		
		1-1	A39433		2.0 A/L	rec		
		1-1	A39434		2.0 A/L	rec		
		1-1	A39435		2.0 A/L	rec		
		1-1	A39436		2.0 A/L	rec		
		1-1	A39437		2.0 A/L	rec		
		1-1	A39438		2.0 A/L	rec		
		1-1	A39439		2.0 A/L	rec		
		1-1	A39440		2.0 A/L	rec		
		1-1	A39441		2.0 A/L	rec		
		1-1	A39442		2.0 A/L	rec		

A = Accepted: R = Rejected

Report Date : 16-Feb-2009 11:00

Page 1

Paradigm Environmental

INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2007 13:34
End Cal Date : 09-FEB-2009 15:41
Quant Method : 1STD
Target Version : 4.14
Integrator : HP RTE
Method File : C:\chem\DSQ.i\021009.d\8260A1r31.m
Last Edit : 10-Feb-2009 13:31 organics

Calibration File Names:

Level 1: C:\chem\DSQ.i\020909.d\A3973.d
Level 2: C:\chem\DSQ.i\020909.d\A3972.d
Level 3: C:\chem\DSQ.i\020909.d\A3971.d
Level 4: C:\chem\DSQ.i\020909.d\A3970.d
Level 5: C:\chem\DSQ.i\020909.d\A3969.d

Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Curve	b	Coeficients	m1	m2	RRSD
1 Propene	1.35205	1.24954	1.09207	1.08955	1.11507	AVRG		1.17966			9.90090
2 Dichlorodifluoromethane	0.86635	0.70956	0.63038	0.61500	0.72773	AVRG		0.71783			14.46162
3 1,2-Dichlorotetrafluoroethane	0.55265	0.59279	0.50395	0.51956	0.51940	AVRG		0.53765			6.60972
4 Chloromethane	1.07707	0.99547	0.73523	0.78842	0.82699	AVRG		0.88463			16.40233
5 Vinyl Chloride	++++	1.54485	1.24205	1.23472	1.23556	AVRG		1.32379			11.20473
6 1,3-Butadiene	0.81291	1.16381	1.01557	1.07826	1.11044	AVRG		1.03614			13.10690
7 Bromomethane	++++	1.65555	1.31881	1.35148	1.41864	AVRG		1.43612			10.58920
8 Chloroethane	++++	2.62467	1.94711	1.97777	2.03120	AVRG		2.14519			14.98872
9 Trichlorofluoromethane	0.57451	0.62425	0.51856	0.52699	0.55140	AVRG		0.55914			7.59517
10 Ethanol	3.06354	2.82636	2.52164	2.72416	3.11065	AVRG		2.84925			8.55668
11 1,1-Dichloroethene	1.04704	1.07749	0.86862	0.86816	0.90367	AVRG		0.95259			10.63544
12 Freon 113	0.62982	0.66293	0.53633	0.54595	0.56668	AVRG		0.58834			9.40798
13 Acetone	0.56677	0.69211	0.60091	0.57694	0.60716	AVRG		0.60878			9.12558
14 Carbon Disulfide	0.25513	0.39457	0.33754	0.34633	0.30414	AVRG		0.32753			15.81761
15 2-Propanol	1.22693	0.93954	0.80770	0.73501	0.83474	AVRG		0.90878			21.17040

Paradigm Environmental
INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2007 13:34
 End Cal Date : 09-FEB-2009 15:41
 Quant Method : ISTD
 Target Version : 4.14
 Integrator : HP RTE
 Method File : C:\chem\DSQ.1\021009.d\8260A1r31.m
 Last Edit : 10-Feb-2009 13:31 organics

Compound	0.1000000 0.4000000 1.0000 2.0000 4.0000					Curve	b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5			m1	m2	
40 4-Methyl-2-Pentanone	1.73515	1.33910	1.78313	1.00792	0.96742	AVRG		1.24655		24.92599
41 Toluene	0.99300	0.85045	0.83589	0.75792	0.75334	AVRG		0.83812		11.59347
42 trans-1,3-Dichloropropene	2.21449	1.78198	1.71083	1.53770	1.52449	AVRG		1.75390		15.97856
43 1,1,2-Trichloroethane	2.70211	2.25546	2.31769	2.18371	2.18943	AVRG		2.32964		9.23982
44 Tetrachloroethene	2.06514	1.90226	1.91497	1.79291	1.82418	AVRG		1.89989		5.56509
45 2-Hexanone	2.47614	1.56425	1.44391	1.22210	1.14923	AVRG		1.57113		33.90605
46 Dibromochloromethane	0.75177	0.75198	0.60124	0.58728	0.58793	AVRG		0.85604		13.36264
47 1,2-Dibromoethane	1.80026	1.50946	1.53540	1.42896	1.42841	AVRG		1.54050		9.92292
49 Chlorobenzene	0.97502	0.91933	0.91853	0.95915	1.04048	AVRG		0.96250		5.20659
50 Ethylbenzene	0.81341	0.71677	0.58958	0.69179	0.74218	AVRG		0.73077		6.96536
51 m,p-Xylenes	1.89946	1.55123	1.44079	1.48523	1.57392	AVRG		1.59013		11.37066
52 o-Xylene	2.06389	1.76304	1.60934	1.62468	1.71034	AVRG		1.75426		10.49834
53 Styrene	1.44213	1.21212	1.11212	1.10007	1.16190	AVRG		1.20567		11.58522
54 Bromoform	2.42569	2.04305	2.03518	2.07828	2.26642	AVRG		2.16973		7.89522
55 4-Bromofluorobenzene	++++	++++	++++	++++	++++	AVRG		0.0004000		0.0004000
56 1,1,2,2-Tetrachloroethane	2.18974	1.84144	1.81880	1.91441	2.01571	AVRG		1.95602		7.74807
57 4-Ethyltoluene	1.05448	0.76820	0.69315	0.67716	0.71090	AVRG		0.78078		20.06487
58 1,3,5-Trimethylbenzene	1.21676	0.90738	0.82633	0.83594	0.94018	AVRG		0.94532		16.83197
59 1,2,4-Trimethylbenzene	1.45027	1.32905	0.98416	0.95452	0.96751	AVRG		1.09495		19.29325
60 1,3-Dichlorobenzene	2.25529	1.80886	1.94223	1.93298	1.99657	AVRG		1.98720		8.28607
61 1,4-Dichlorobenzene	2.18353	1.88392	1.90158	1.93719	2.06407	AVRG		1.99406		6.37901
62 Benzyl Chloride	2.94847	2.16693	1.94602	1.80898	1.89753	AVRG		2.15359		21.52335

Paradigm Environmental
INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2007 13:34
 End Cal Date : 09-FEB-2009 15:41
 Quant Method : ISTD
 Target Version : 4.14
 Integrator : HP RTE
 Method file : C:\chem\DSQ.1\021009.d\8260A1r31.m
 Last Edit : 10-Feb-2009 13:31 organics

Compound	0.100000	0.400000	1.0000	2.0000	4.0000	Curve	b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5			m1	m2	or R ²
63 1,2-Dichlorobenzene	2.55860	2.28211	2.26360	2.30296	2.40928	AVRG		2.36331		5.20091
64 1,2,4-trichlorobenzene	46.56799	6.60964	6.13749	5.66602	5.78245	AVRG		14.15272		128 <-
65 Hexachloro-1,3-butadiene	62.09066	10.25409	10.67532	11.35931	12.56967	AVRG		21.38981		106 <-

Paradigm Environmental
INITIAL CALIBRATION DATA

Start Cal Date : 27-NOV-2007 13:34
 End Cal Date : 09-FEB-2009 15:41
 Quant Method : ISTD
 Target Version : 4.14
 Integrator : HP RTE
 Method file : C:\chem\DSQ.1\021009.d\8260A1r31.m
 Last Edit : 10-Feb-2009 13:31 organics

Average %RSD Results	
Calculated Average %RSD	= 20.22027
Maximum Average %RSD	= 30.00000
* Passed Average %RSD Test.	

Curve	Formula	Units
Averaged	Amt = ml*Rep	Amount

Paradigm Environmental

Data file : C:\chem\DSQ.i\020909.d\A3973.d
 Lab Smp Id:
 Inj Date : 09-FEB-2009 15:41
 Operator : Nathan Beach Inst ID: DSQ.i
 Smp Info : 0.1ppb T015 Cal
 Misc Info :
 Comment :
 Method : C:\chem\DSQ.i\020909.d\8260Air3I.m
 Meth Date : 10-Feb-2009 13:05 organics Quant Type: ISTD
 Cal Date : 09-FEB-2009 15:41 Cal File: A3973.d
 Als bottle: 1 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: ORGREPORT1

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

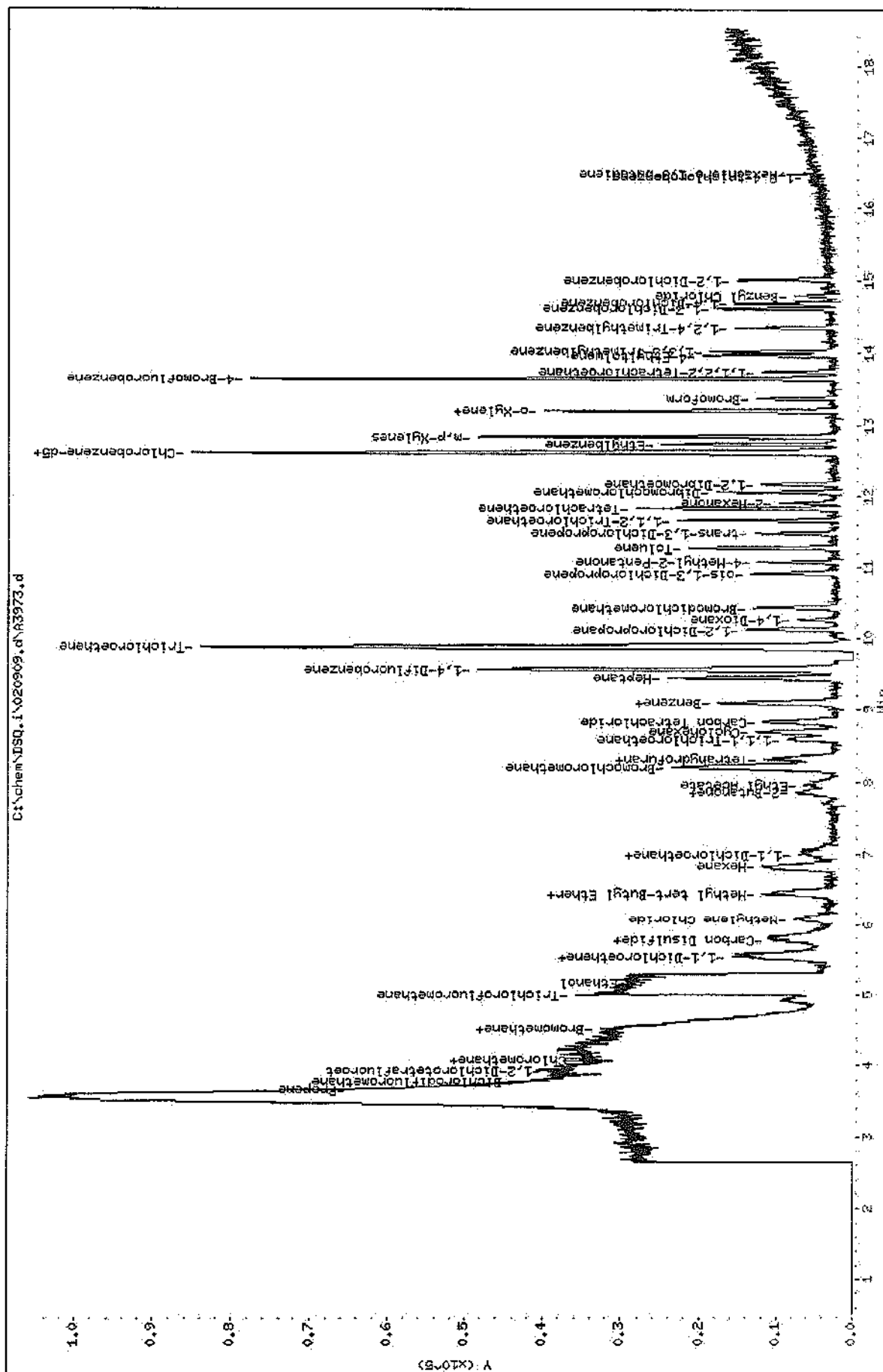
Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
1 Propene	41	3.727	3.727 (0.454)		6972	0.10000	0.0872 (M)
2 Dichlorodifluoromethane	85	3.775	3.775 (0.460)		10634	0.10000	0.0810 (M)
3 1,2-Dichlorotetrafluoroethane	85	3.926	3.926 (0.478)		17057	0.10000	0.0973 (M)
4 Chloromethane	50	4.029	4.029 (0.491)		8752	0.10000	0.0821 (TM)
5 Vinyl Chloride	62	4.092	4.092 (0.499)		3261	0.10000	0.0556 (TM)
6 1,3-Butadiene	39	4.166	4.166 (0.508)		11596	0.10000	0.127 (TM)
7 Bromomethane	94	4.527	4.527 (0.552)		2867	0.10000	0.0549 (M)
9 Trichlorofluoromethane	101	4.952	4.952 (0.603)		16408	0.10000	0.0973
10 Ethanol	31	5.140	5.140 (0.626)		3077	0.10000	0.0930 (TM)
11 1,1-Dichloroethene	61	5.539	5.539 (0.675)		9003	0.10000	0.0910 (M)
12 Freon 113	101	5.542	5.542 (0.675)		14967	0.10000	0.0934 (M)
13 Acetone	43	5.590	5.590 (0.681)		16632	0.10000	0.107 (TM)
14 Carbon Disulfide	76	5.819	5.819 (0.709)		36948	0.10000	0.128 (TM)
15 2-Propanol	45	5.775	5.775 (0.704)		7683	0.10000	0.0741 (TM)
16 Methylene Chloride	84	6.100	6.100 (0.741)		4042	0.10000	0.0768 (M)
17 trans 1,2-dichloroethene	61	6.447	6.447 (0.786)		7493	0.10000	0.0840 (M)
18 Methyl tert-Butyl Ether	73	6.487	6.487 (0.790)		14028	0.10000	0.0780 (T)
19 Hexane	57	6.823	6.823 (0.831)		8835	0.10000	0.0944 (TM)
20 1,1-Dichloroethane	63	7.004	7.004 (0.853)		12436	0.10000	0.0924 (TM)
21 Vinyl Acetate	43	7.067	7.067 (0.861)		12772	0.10000	0.0745 (TM)
22 cis-1,2-Dichloroethene	96	7.849	7.849 (0.956)		5142	0.10000	0.0774 (M)
23 2-Butanone	43	7.871	7.871 (0.959)		10826	0.10000	0.0701 (T)
24 Ethyl Acetate	43	7.960	7.960 (0.970)		16561	0.10000	0.0833 (TH)

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 25 Bromochloromethane	49	8.207	8.207	(1.000)	37706	0.40000	
26 Tetrahydrofuran	42	8.332	8.332	(1.015)	5843	0.10000	0.0691
27 Chloroform	83	8.318	8.318	(1.014)	11059	0.10000	0.0931
28 1,1,1-Trichloroethane	97	8.591	8.591	(1.047)	12895	0.10000	0.0945
29 Cyclohexane	56	8.701	8.701	(1.060)	8151	0.10000	0.0894
30 Carbon Tetrachloride	117	8.845	8.845	(1.078)	14611	0.10000	0.0997
31 Benzene	78	9.093	9.093	(1.108)	22047	0.10000	0.0920
32 1,2-Dichloroethane	62	9.096	9.096	(1.108)	7253	0.10000	0.0870(T)
33 Heptane	43	9.447	9.447	(1.151)	17578	0.10000	0.0959
* 34 1,4-Difluorobenzene	114	9.565	9.565	(1.000)	78880	0.40000	
35 Trichloroethene	130	9.883	9.883	(1.033)	10444	0.10000	0.0956
36 1,2-Dichloropropane	63	10.130	10.130	(1.059)	6858	0.10000	0.0854
38 Bromodichloromethane	83	10.432	10.432	(1.091)	11069	0.10000	0.0899(T)
39 cis-1,3-Dichloropropene	75	10.919	10.919	(1.142)	10181	0.10000	0.0846
40 4-Methyl-2-Pentanone	43	11.078	11.078	(1.158)	11365	0.10000	0.0718(T)
41 Toluene	91	11.263	11.263	(1.177)	19859	0.10000	0.0844
42 trans-1,3-Dichloropropene	75	11.473	11.473	(1.199)	8905	0.10000	0.0792
43 1,1,2-Trichloroethane	97	11.658	11.658	(1.219)	7298	0.10000	0.0862
44 Tetrachloroethene	166	11.823	11.823	(1.236)	9549	0.10000	0.0920
45 2-Hexanone	43	11.905	11.905	(1.245)	7964	0.10000	0.0834
46 Dibromochloromethane	129	12.052	12.052	(1.469)	12539	0.10000	0.0873
47 1,2-Dibromoethane	107	12.159	12.159	(1.271)	10954	0.10000	0.0856
* 48 Chlorobenzene-d5	117	12.606	12.606	(1.000)	67803	0.40000	
49 Chlorobenzene	112	12.632	12.632	(1.002)	17385	0.10000	0.0987
50 Ethylbenzene	91	12.724	12.724	(1.009)	20839	0.10000	0.0898
51 m,p-Xylenes	106	12.827	12.827	(1.018)	17848	0.20000	0.167
52 o-Xylene	106	13.189	13.189	(1.046)	8213	0.10000	0.0850
53 Styrene	104	13.204	13.204	(1.047)	11754	0.10000	0.0836
54 Bromoform	173	13.377	13.377	(1.061)	6988	0.10000	0.0894(T)
56 1,1,2,2-Tetrachloroethane	83	13.761	13.761	(1.092)	7741	0.10000	0.0893
57 4-Ethyltoluene	105	13.975	13.975	(1.109)	16075	0.10000	0.0740
58 1,3,5-Trimethylbenzene	105	14.023	14.023	(1.112)	13931	0.10000	0.0777
59 1,2,4-Trimethylbenzene	105	14.352	14.352	(1.138)	11688	0.10000	0.0755
60 1,2-Dichlorobenzene	146	14.614	14.614	(1.159)	7516	0.10000	0.0881
61 1,4-Dichlorobenzene	146	14.687	14.687	(1.165)	7763	0.10000	0.0913
62 Benzyl Chloride	91	14.798	14.798	(1.174)	5749	0.10000	0.0730(T)
63 1,2-Dichlorobenzene	146	15.012	15.012	(1.191)	6625	0.10000	0.0924

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Operator: Nathan Beach
Column diameter: 0.53



Paradigm Environmental

Data file : C:\chem\DSQ.i\020909.d\A3972.d
 Lab Smp Id:
 Inj Date : 09-FEB-2009 15:12
 Operator : Nathan Beach
 Smp Info : 0.4ppb TO15 Cal
 Misc Info :
 Comment :
 Method : C:\chem\DSQ.i\020909.d\8260Air3I.m
 Meth Date : 10-Feb-2009 13:05 organics
 Cal Date : 09-FEB-2009 15:12
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGREPORT1

Inst ID: DSQ.i
 Quant Type: ISTD
 Cal File: A3972.d
 Calibration Sample, Level: 2
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG							AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT	ON-COL
								(ug/l)	(ug/l)
1 Propene	41		3.711	3.711 (0.453)		33041		0.40000	0.577 (M)
2 Dichlorodifluoromethane	85		3.774	3.774 (0.461)		58185		0.40000	0.576 (M)
3 1,2-Dichlorotetrafluoroethane	85		3.940	3.940 (0.481)		69657		0.40000	0.614 (M)
4 Chloromethane	50		3.988	3.988 (0.487)		41474		0.40000	0.767 (M)
5 Vinyl Chloride	62		4.128	4.128 (0.504)		26725		0.40000	0.453
6 1,3-Butadiene	39		4.169	4.169 (0.509)		35484		0.40000	0.380 (M)
7 Bromomethane	94		4.527	4.527 (0.552)		24938		0.40000	0.470
8 Chloroethane	64		4.616	4.616 (0.563)		15730		0.40000	0.327 (M)
9 Trichlorofluoromethane	101		4.933	4.933 (0.602)		66138		0.40000	0.358
10 Ethanol	31		5.166	5.166 (0.630)		14608		0.40000	0.995 (M)
11 1,1-Dichloroethene	61		5.516	5.516 (0.673)		38317		0.40000	0.392
12 Freon 113	101		5.528	5.528 (0.674)		62278		0.40000	0.358
13 Acetone	43		5.579	5.579 (0.681)		59652		0.40000	0.358 (M)
14 Carbon Disulfide	76		5.815	5.815 (0.710)		104636		0.40000	0.393 (M)
15 2-Propanol	45		5.741	5.741 (0.701)		43943		0.40000	1.14 (T)
16 Methylene Chloride	84		6.103	6.103 (0.745)		21179		0.40000	0.385
17 trans-1,2-dichloroethene	61		6.458	6.458 (0.788)		35771		0.40000	0.372
18 Methyl tert-Butyl Ether	73		6.458	6.458 (0.788)		69492		0.40000	0.353
19 Hexane	57		6.808	6.808 (0.831)		34718		0.40000	0.342
20 1,1-Dichloroethane	63		6.985	6.985 (0.852)		51883		0.40000	0.352
21 Vinyl Acetate	43		7.041	7.041 (0.859)		65221		0.40000	0.350
22 cis-1,2-Dichloroethene	96		7.823	7.823 (0.955)		25394		0.40000	1.00
23 2-Butanone	43		7.875	7.875 (0.961)		64825		0.40000	0.383 (T)

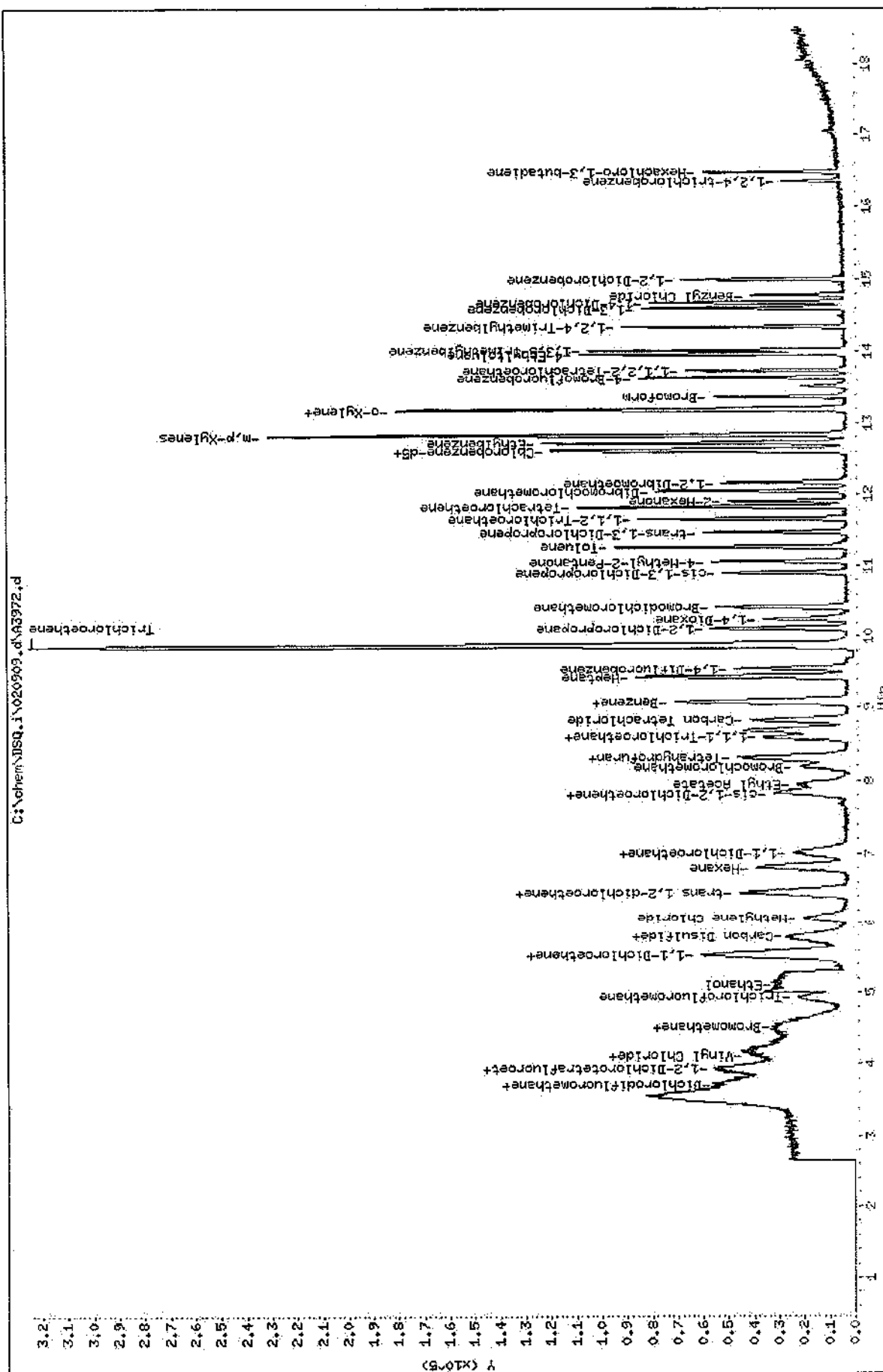
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
24 Ethyl Acetate		43	7.945	7.945 (0.965)		75047	0.40000	0.389 (TM)
* 25 Bromochloromethane		49	8.196	8.196 (1.000)		41286	0.40000	
26 Tetrahydrofuran		42	8.310	8.310 (1.014)		33603	0.40000	0.363
27 Chloroform		83	8.310	8.310 (1.014)		45383	0.40000	0.349
28 1,1,1-Trichloroethane		97	8.583	8.583 (1.047)		53717	0.40000	0.359
29 Cyclohexane		56	8.683	8.683 (1.059)		35310	0.40000	0.354
30 Carbon Tetrachloride		117	8.827	8.827 (1.077)		56676	0.40000	0.353
31 Benzene		78	9.082	9.082 (1.108)		91007	0.40000	0.347
32 1,2-Dichloroethane		62	9.089	9.089 (1.109)		32426	0.40000	0.355
33 Heptane		43	9.436	9.436 (1.151)		66829	0.40000	0.333
* 34 1,4-Difluorobenzene		114	9.550	9.550 (1.000)		72883	0.40000	
35 Trichloroethene		130	9.871	9.871 (1.034)		397219	0.40000	0.410
36 1,2-Dichloropropane		63	10.126	10.126 (1.060)		30193	0.40000	0.407
37 1,4-Dioxane		88	10.288	10.288 (1.077)		6904	0.40000	0.329
38 Bromodichloromethane		83	10.425	10.425 (1.092)		44663	0.40000	0.392
39 cis-1,3-Dichloropropene		75	10.904	10.904 (1.142)		42518	0.40000	0.382
40 4-Methyl-2-Pentanone		43	11.067	11.067 (1.159)		54427	0.40000	0.372
41 Toluene		91	11.263	11.263 (1.179)		85699	0.40000	0.394
42 trans-1,3-Dichloropropene		75	11.462	11.462 (1.200)		40900	0.40000	0.394
43 1,1,2-Trichloroethane		97	11.646	11.646 (1.220)		32314	0.40000	0.413
44 Tetrachloroethene		166	11.812	11.812 (1.237)		36314	0.40000	0.400
45 2-Hexanone		43	11.894	11.894 (1.245)		46593	0.40000	0.402
46 Dibromochloromethane		129	12.041	12.041 (1.469)		54903	0.40000	0.349
47 1,2-Dibromoethane		107	12.159	12.159 (1.273)		48284	0.40000	0.408
* 48 Chlorobenzene-d5		117	12.598	12.598 (1.000)		65257	0.40000	
49 Chlorobenzene		112	12.624	12.624 (1.002)		70983	0.40000	0.419
50 Ethylbenzene		91	12.720	12.720 (1.010)		91043	0.40000	0.438
51 m,p-Xylenes		106	12.823	12.823 (1.018)		84136	0.40000	0.420
52 o-Xylene		106	13.189	13.189 (1.047)		37014	0.40000	0.398
53 Styrene		104	13.196	13.196 (1.047)		53837	0.40000	0.398
54 Bromoform		173	13.370	13.370 (1.061)		31941	0.40000	0.425
56 1,1,2,2-Tetrachloroethane		83	13.757	13.757 (1.092)		35438	0.40000	0.425
57 4-Ethyltoluene		105	13.971	13.971 (1.109)		84948	0.40000	0.406
58 1,3,5-Trimethylbenzene		105	14.015	14.015 (1.112)		71918	0.40000	0.417
59 1,2,4-Trimethylbenzene		105	14.347	14.347 (1.139)		57798	0.40000	0.388
60 1,3-Dichlorobenzene		146	14.606	14.606 (1.159)		36076	0.40000	0.439
61 1,4-Dichlorobenzene		146	14.679	14.679 (1.165)		34639	0.40000	0.423
62 Benzyl Chloride		91	14.783	14.783 (1.173)		30115	0.40000	0.398
63 1,2-Dichlorobenzene		146	15.001	15.001 (1.191)		28595	0.40000	0.414
64 1,2,4-trichlorobenzene		180	16.344	16.344 (1.297)		9873	0.40000	0.366
65 Hexachloro-1,3-butadiene		225	16.469	16.469 (1.307)		6364	0.40000	0.437

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: C:\chem\DSQ.i\020909.d\A3372.d
 Date : 09-FEB-2009 15:12
 Client ID:
 Sample Info: 0.4ppb T015 Cal
 Column phase: db624

Instrument: DSQ.i
 Operator: Nathan Beach
 Column diameter: 0.53



Paradigm Environmental

Data file : C:\chem\DSQ.i\020909.d\A3971.d
Lab Smp Id:
Inj Date : 09-FEB-2009 14:42
Operator : Nathan Beach
Smp Info : 1.0ppb TO15 Cal
Misc Info :
Comment :
Method : C:\chem\DSQ.i\020909.d\8260Air3I.m
Meth Date : 10-Feb-2009 13:05 organics
Cal Date : 09-FEB-2009 14:42
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: ORGREPORT1
Inst ID: DSQ.i
Quant Type: ISTD
Cal File: A3971.d
Calibration Sample, Level: 3
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

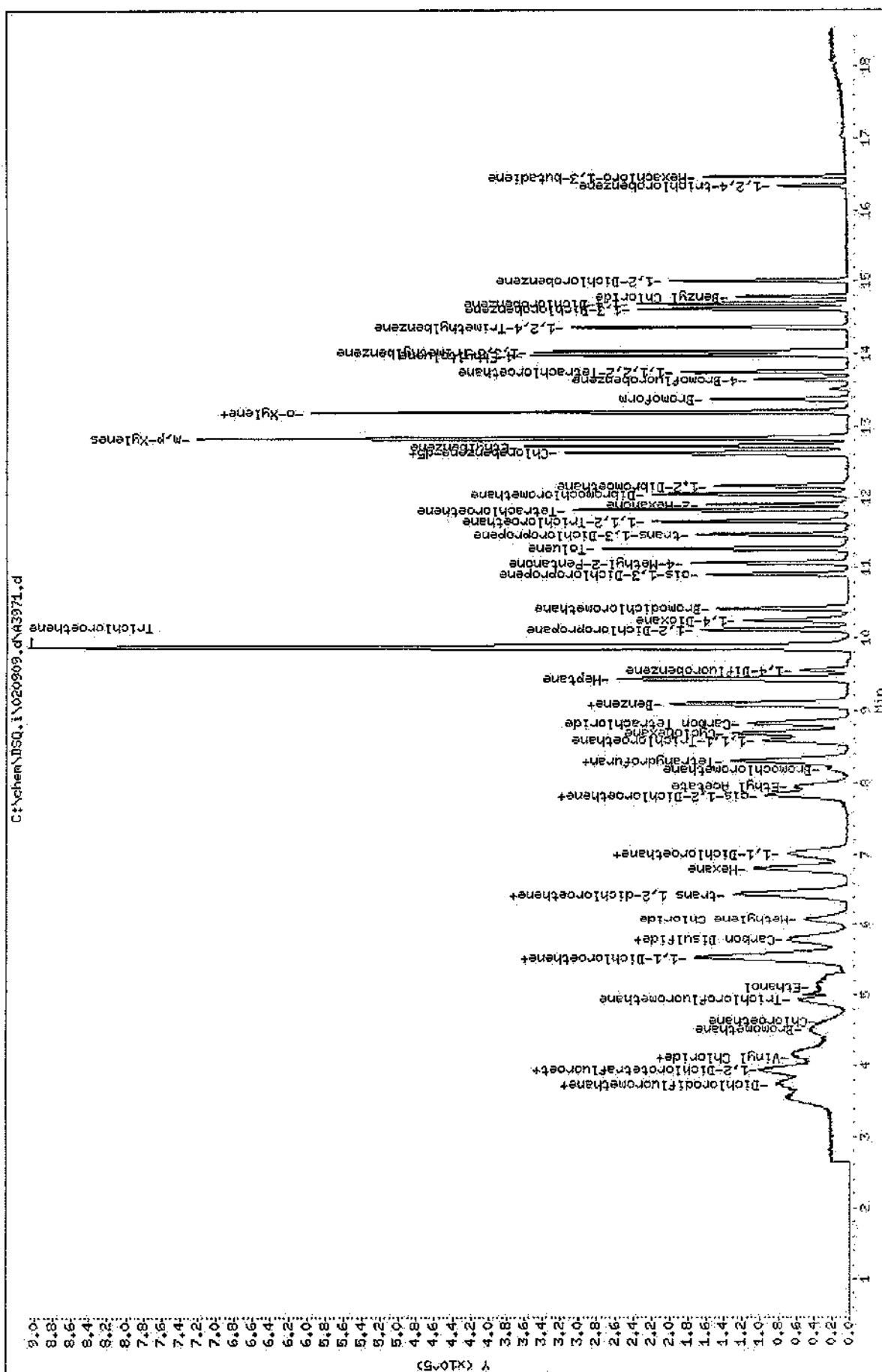
Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)
1 Propene	41	3.741	3.741 (0.457)		87778		1.00000	1.67(M)
2 Dichlorodifluoromethane	85	3.804	3.804 (0.465)		152056		1.00000	1.62
3 1,2-Dichlorotetrafluoroethane	85	3.926	3.926 (0.480)		190216		1.00000	1.85(H)
4 Chloromethane	50	3.959	3.959 (0.484)		130381		1.00000	3.22(M)
5 Vinyl Chloride	62	4.128	4.128 (0.504)		77179		1.00000	1.41
6 1,3-Butadiene	39	4.169	4.169 (0.509)		94390		1.00000	1.12(M)
7 Bromomethane	94	4.520	4.520 (0.552)		72687		1.00000	1.47
8 Chloroethane	64	4.638	4.638 (0.567)		49232		1.00000	1.36
9 Trichlorofluoromethane	101	4.940	4.940 (0.604)		184857		1.00000	1.08
10 Ethanol	31	5.114	5.114 (0.625)		38015		1.00000	3.23(M)
11 1,1-Dichloroethene	61	5.520	5.520 (0.674)		110359		1.00000	1.22
12 Freon 113	101	5.524	5.524 (0.675)		178733		1.00000	1.11
13 Acetone	43	5.576	5.576 (0.681)		159524		1.00000	1.03(M)
14 Carbon Disulfide	76	5.797	5.797 (0.708)		283996		1.00000	1.15
15 2-Propanol	45	5.741	5.741 (0.702)		118682		1.00000	3.32
16 Methylene Chloride	84	6.088	6.088 (0.744)		61417		1.00000	1.20
17 trans 1,2-dichloroethene	61	6.446	6.446 (0.788)		99735		1.00000	1.12
18 Methyl tert-Butyl Ether	73	6.458	6.458 (0.789)		206796		1.00000	1.13
19 Hexane	57	6.812	6.812 (0.832)		104658		1.00000	1.11
20 1,1-Dichloroethane	63	6.992	6.992 (0.854)		149307		1.00000	1.09
21 Vinyl Acetate	43	7.044	7.044 (0.861)		208562		1.00000	1.20
22 cis-1,2-Dichloroethene	96	7.823	7.823 (0.956)		77513		1.00000	3.30
23 2-Butanone	43	7.848	7.848 (0.959)		185422		1.00000	1.18

Compounds	QUANT SIG.					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
=====	=====	=====	=====	=====	=====	=====	=====
24 Ethyl Acetate	43	7.952	7.952	(0.972)	221327	1.00000	1.27(M)
* 25 Bromochloromethane	49	8.184	8.184	(1.000)	38344	0.40000	
26 Tetrahydrofuran	42	8.306	8.306	(1.015)	101945	1.00000	1.18
27 Chloroform	83	8.306	8.306	(1.015)	131544	1.00000	1.09
28 1,1,1-Trichloroethane	97	8.579	8.579	(1.048)	147681	1.00000	1.06
29 Cyclohexane	56	8.679	8.679	(1.060)	99644	1.00000	1.07
30 Carbon Tetrachloride	117	8.823	8.823	(1.078)	158615	1.00000	1.06
31 Benzene	78	9.081	9.081	(1.110)	261474	1.00000	1.07
32 1,2-Dichloroethane	62	9.092	9.092	(1.111)	93554	1.00000	1.10
33 Heptane	43	9.432	9.432	(1.152)	196146	1.00000	1.05
* 34 1,4-Difluorobenzene	114	9.550	9.550	(1.000)	84379	0.40000	
35 Trichloroethene	130	9.871	9.871	(1.034)	1085284	1.00000	0.968
36 1,2-Dichloropropane	63	10.115	10.115	(1.059)	86677	1.00000	1.01
37 1,4-Dioxane	88	10.292	10.292	(1.078)	23572	1.00000	0.971
38 Bromodichloromethane	83	10.421	10.421	(1.091)	130797	1.00000	0.993
39 cis-1,3-Dichloropropene	75	10.904	10.904	(1.142)	129966	1.00000	1.01
40 4-Methyl-2-Pentanone	43	11.067	11.067	(1.159)	178294	1.00000	1.05
41 Toluene	91	11.262	11.262	(1.179)	252361	1.00000	1.00
42 trans-1,3-Dichloropropene	75	11.465	11.465	(1.201)	123300	1.00000	1.02
43 1,1,2-Trichloroethane	97	11.650	11.650	(1.220)	91023	1.00000	1.00
44 Tetrachloroethene	166	11.816	11.816	(1.237)	110156	1.00000	0.992
45 2-Hexanone	43	11.893	11.893	(1.245)	146093	1.00000	1.09
46 Dibromochloromethane	129	12.037	12.037	(1.471)	159436	1.00000	1.09
47 1,2-Dibromoethane	107	12.155	12.155	(1.273)	137388	1.00000	1.00
* 48 Chlorobenzene-d5	117	12.595	12.595	(1.000)	75577	0.40000	
49 Chlorobenzene	112	12.624	12.624	(1.002)	205701	1.00000	1.05
50 Ethylbenzene	91	12.716	12.716	(1.010)	273955	1.00000	1.06
51 m,p-Xylenes	106	12.823	12.823	(1.018)	262276	2.00000	2.21
52 o-Xylene	106	13.189	13.189	(1.047)	117404	1.00000	1.09
53 Styrene	104	13.192	13.192	(1.047)	169894	1.00000	1.08
54 Bromoform	173	13.366	13.366	(1.061)	92838	1.00000	1.07
56 1,1,2,2-Tetrachloroethane	83	13.757	13.757	(1.092)	103883	1.00000	1.08
57 4-Ethyltoluene	105	13.967	13.967	(1.109)	272584	1.00000	1.13
58 1,3,5-Trimethylbenzene	105	14.015	14.015	(1.113)	228652	1.00000	1.14
59 1,2,4-Trimethylbenzene	105	14.347	14.347	(1.139)	191983	1.00000	1.11
60 1,3-Dichlorobenzene	146	14.609	14.609	(1.160)	97278	1.00000	1.02
61 1,4-Dichlorobenzene	146	14.679	14.679	(1.166)	99361	1.00000	1.05
62 Benzyl Chloride	91	14.786	14.786	(1.174)	97092	1.00000	1.11
63 1,2-Dichlorobenzene	146	15.004	15.004	(1.191)	83470	1.00000	1.04
64 1,2,4-trichlorobenzene	180	16.344	16.344	(1.298)	30785	1.00000	0.986
65 Hexachloro-1,3-butadiene	225	16.469	16.469	(1.308)	17699	1.00000	1.05

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.



Paradigm Environmental

Data file : C:\chem\DSQ.i\020909.d\A3970.d
Lab Smp Id:
Inj Date : 09-FEB-2009 14:11
Operator : Nathan Beach
Smp Info : 2.0ppb TO15 Cal
Misc Info :
Comment :
Method : C:\chem\DSQ.i\020909.d\8260Air3I.m
Meth Date : 10-Feb-2009 13:05 organics
Cal Date : 09-FEB-2009 14:11
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: ORGREPORT1

Inst ID: DSQ.i
Quant Type: ISTD
Cal File: A3970.d
Calibration Sample, Level: 4
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT	ON-COL
	MASS					(ug/l)	(ug/l)
=====	----	----	-----	-----	-----	-----	-----
1 Propene	41	3.722	3.722 (0.455)		176541	2.00000	3.37
2 Dichlorodifluoromethane	85	3.767	3.767 (0.460)		302911	2.00000	3.22
3 1,2-Dichlorotetrafluoroethane	85	3.911	3.911 (0.478)		370220	2.00000	3.69 (M)
4 Chloromethane	50	3.966	3.966 (0.484)		243969	2.00000	5.16 (M)
5 Vinyl Chloride	62	4.117	4.117 (0.503)		155784	2.00000	2.64
6 1,3-Butadiene	39	4.173	4.173 (0.510)		178389	2.00000	2.13
7 Bromomethane	94	4.494	4.494 (0.549)		142325	2.00000	2.88
8 Chloroethane	64	4.634	4.634 (0.566)		97256	2.00000	2.68
9 Trichlorofluoromethane	101	4.914	4.914 (0.600)		364995	2.00000	2.12
10 Ethanol	31	5.133	5.133 (0.627)		70609	2.00000	6.02 (M)
11 1,1-Dichloroethene	61	5.516	5.516 (0.674)		221560	2.00000	2.43
12 Freon 113	101	5.513	5.513 (0.673)		352319	2.00000	2.17
13 Acetone	43	5.546	5.546 (0.677)		333397	2.00000	2.07
14 Carbon Disulfide	76	5.790	5.790 (0.707)		555390	2.00000	2.24
15 2-Propanol	45	5.749	5.749 (0.702)		261698	2.00000	7.30 (M)
16 Methylene Chloride	84	6.077	6.077 (0.742)		124736	2.00000	2.43
17 trans 1,2-dichloroethene	61	6.439	6.439 (0.786)		202814	2.00000	2.25
18 Methyl tert-Butyl Ether	73	6.450	6.450 (0.788)		435243	2.00000	2.37
19 Hexane	57	6.804	6.804 (0.831)		206580	2.00000	2.18
20 1,1-Dichloroethane	63	6.970	6.970 (0.851)		298831	2.00000	2.18
21 Vinyl Acetate	43	7.041	7.041 (0.860)		413269	2.00000	2.38
22 cis-1,2-Dichloroethene	96	7.816	7.816 (0.954)		160905	2.00000	6.83
23 2-Butanone	43	7.838	7.838 (0.957)		359891	2.00000	2.28

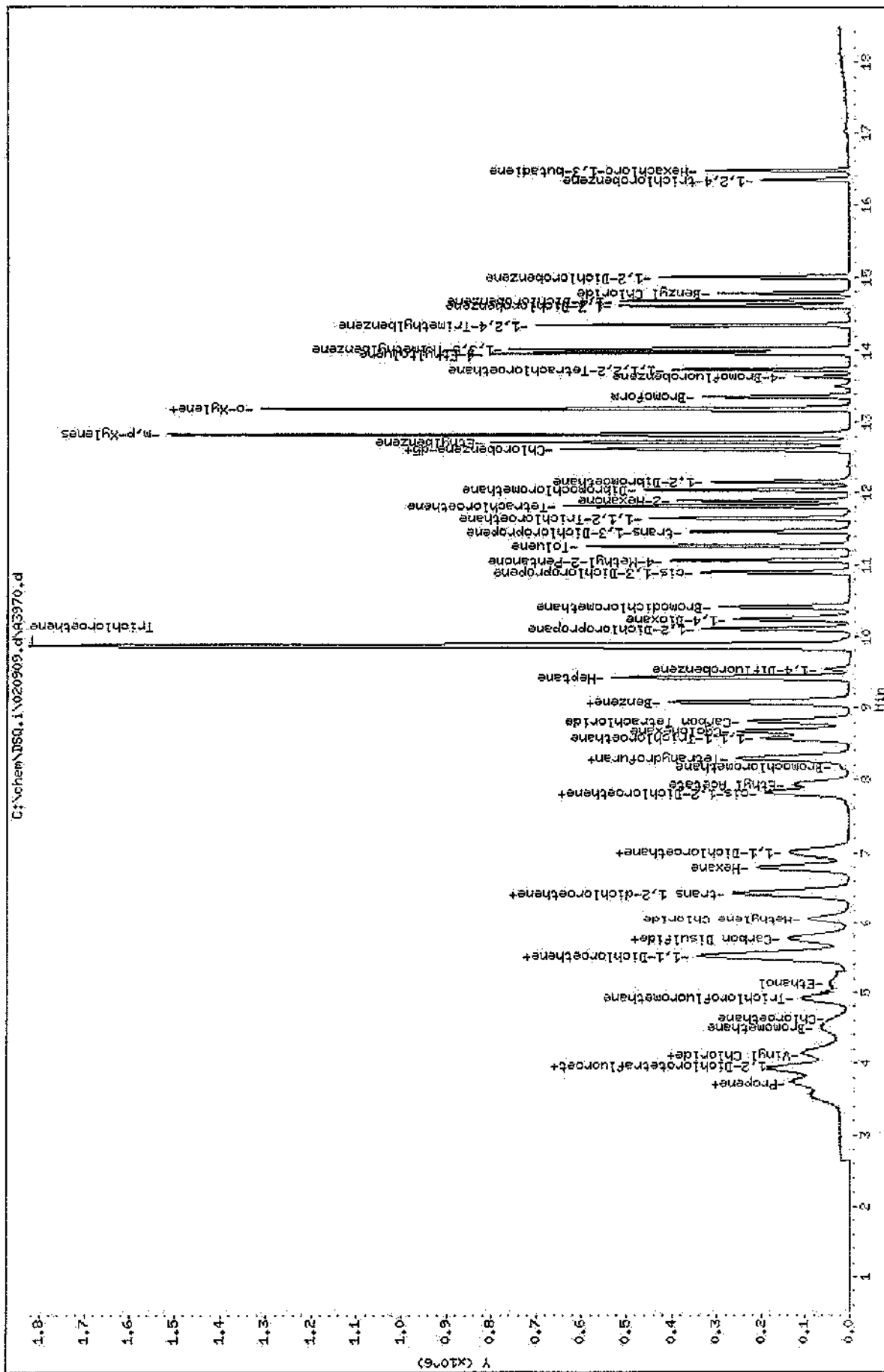
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/l)	ON-COL (ug/l)
24 Ethyl Acetate	43	7.937	7.937	(0.969)	481601	2.00000	2.85 (M)
* 25 Bromochloromethane	49	8.188	8.188	(1.000)	38470	0.40000	(M)
26 Tetrahydrofuran	42	8.299	8.299	(1.014)	215281	2.00000	2.50
27 Chloroform	83	8.299	8.299	(1.014)	262497	2.00000	2.17
28 1,1,1-Trichloroethane	97	8.579	8.579	(1.048)	298573	2.00000	2.14
29 Cyclohexane	56	8.675	8.675	(1.059)	205431	2.00000	2.21
30 Carbon Tetrachloride	117	8.815	8.815	(1.077)	314660	2.00000	2.10
31 Benzene	78	9.074	9.074	(1.108)	538993	2.00000	2.20
32 1,2-Dichloroethane	62	9.081	9.081	(1.109)	189458	2.00000	2.23
33 Heptane	43	9.425	9.425	(1.151)	412977	2.00000	2.21
* 34 1,4-Difluorobenzene	114	9.546	9.546	(1.000)	80745	0.40000	
35 Trichloroethene	130	9.866	9.866	(1.033)	2175682	2.00000	2.03
36 1,2-Dichloropropane	63	10.122	10.122	(1.060)	177258	2.00000	2.16
37 1,4-Dioxane	88	10.288	10.288	(1.078)	54126	2.00000	2.33
38 Bromodichloromethane	83	10.425	10.425	(1.092)	270163	2.00000	2.14
39 cis-1,3-Dichloropropene	75	10.901	10.901	(1.142)	274953	2.00000	2.23
40 4-Methyl-2-Pentanone	43	11.059	11.059	(1.159)	400549	2.00000	2.47
41 Toluene	91	11.259	11.259	(1.179)	532677	2.00000	2.21
42 trans-1,3-Dichloropropene	75	11.462	11.462	(1.201)	262552	2.00000	2.28
43 1,1,2-Trichloroethane	97	11.646	11.646	(1.220)	164880	2.00000	2.13
44 Tetrachloroethene	166	11.812	11.812	(1.237)	225178	2.00000	2.12
45 2-Hexanone	43	11.890	11.890	(1.246)	330354	2.00000	2.57
46 Dibromochloromethane	129	12.041	12.041	(1.470)	327528	2.00000	2.23
47 1,2-Dibromothane	107	12.156	12.156	(1.273)	282531	2.00000	2.16
* 48 Chlorobenzene-d5	117	12.595	12.595	(1.000)	82146	0.40000	
49 Chlorobenzene	112	12.620	12.620	(1.002)	428224	2.00000	2.01
50 Ethylbenzene	91	12.716	12.716	(1.010)	593718	2.00000	2.11
51 m,p-Xylenes	106	12.823	12.823	(1.018)	553085	4.00000	4.28
52 o-Xylene	106	13.185	13.185	(1.047)	252806	2.00000	2.16
53 Styrene	104	13.192	13.192	(1.047)	373367	2.00000	2.19
54 Bromoform	173	13.366	13.366	(1.061)	197630	2.00000	2.09
56 1,1,2,2-Tetrachloroethane	83	13.753	13.753	(1.092)	214546	2.00000	2.04
57 4-Ethyltoluene	105	13.967	13.967	(1.109)	606548	2.00000	2.31
58 1,3,5-Trimethylbenzene	105	14.015	14.015	(1.113)	491342	2.00000	2.26
59 1,2,4-Trimethylbenzene	105	14.344	14.344	(1.139)	430300	2.00000	2.29
60 1,3-Dichlorobenzene	146	14.606	14.606	(1.160)	212485	2.00000	2.06
61 1,4-Dichlorobenzene	146	14.679	14.679	(1.166)	212024	2.00000	2.06
62 Benzyl Chloride	91	14.783	14.783	(1.174)	227050	2.00000	2.38
63 1,2-Dichlorobenzene	146	15.001	15.001	(1.191)	178349	2.00000	2.05
64 1,2,4-trichlorobenzene	180	16.344	16.344	(1.298)	72490	2.00000	2.14
65 Hexachloro-1,3-Butadiene	225	16.469	16.469	(1.308)	36158	2.00000	1.97

QC Flag Legend

M - Compound response manually integrated.

Data File: C:\chem\DSQ.1\020909.d\A3970.d
 Date : 09-FEB-2009 14:11
 Client ID:
 Sample Info: 2.0ppb T015 Cal
 Column phase: db624

Instrument: DSQ.i
 Operator: Nathan Beach
 Column diameter: 0.53



Paradigm Environmental

Data file : C:\chem\DSQ.i\020909.d\A3969.d
Lab Smp Id:
Inj Date : 09-FEB-2009 13:29
Operator : Nathan Beach
Smp Info : 4.0ppb TO15 Cal
Misc Info :
Comment :
Method : C:\chem\DSQ.i\020909.d\8260Air3I.m
Meth Date : 10-Feb-2009 13:05 organics Quant Type: ISTD
Cal Date : 09-FEB-2009 13:29 Cal File: A3969.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ORGREPORT1

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
1 Propene	41		3.719	3.719 (0.454)		352939	4.00000	6.41
2 Dichlorodifluoromethane	85		3.771	3.771 (0.461)		540794	4.00000	5.46
3 1,2-Dichlorotetrafluoroethane	85		3.926	3.926 (0.480)		757694	4.00000	7.33(M)
4 Chloromethane	50		3.959	3.959 (0.484)		475884	4.00000	11.5(M)
5 Vinyl Chloride	62		4.117	4.117 (0.503)		309015	4.00000	5.32
6 1,3-Butadiene	39		4.165	4.165 (0.509)		354409	4.00000	3.96
7 Bromomethane	54		4.501	4.501 (0.550)		277413	4.00000	5.30
8 Chloroethane	64		4.616	4.616 (0.564)		193752	4.00000	4.98
9 Trichlorofluoromethane	101		4.929	4.929 (0.602)		713732	4.00000	3.88
10 Ethanol	31		5.147	5.147 (0.629)		126517	4.00000	10.4(M)
11 1,1-Dichloroethene	61		5.513	5.513 (0.674)		435504	4.00000	4.49
12 Freon 113	101		5.509	5.509 (0.673)		694485	4.00000	4.01
13 Acetone	43		5.575	5.575 (0.681)		648184	4.00000	3.76
14 Carbon Disulfide	76		5.782	5.782 (0.706)		1293974	4.00000	4.89
15 2-Propanol	45		5.741	5.741 (0.702)		471465	4.00000	12.7
16 Methylene Chloride	84		6.066	6.066 (0.741)		251109	4.00000	4.60
17 trans 1,2-dichloroethene	61		6.439	6.439 (0.787)		408278	4.00000	4.27
18 Methyl tert-Butyl Ether	73		6.454	6.454 (0.789)		879097	4.00000	4.50
19 Hexane	57		6.793	6.793 (0.830)		422338	4.00000	4.18
20 1,1-Dichloroethane	63		6.974	6.974 (0.852)		593895	4.00000	4.04
21 Vinyl Acetate	43		7.041	7.041 (0.860)		868572	4.00000	4.70
22 cis-1,2-Dichloroethene	96		7.808	7.808 (0.954)		328063	4.00000	13.4
23 2-Butanone	43		7.841	7.841 (0.958)		797428	4.00000	4.74

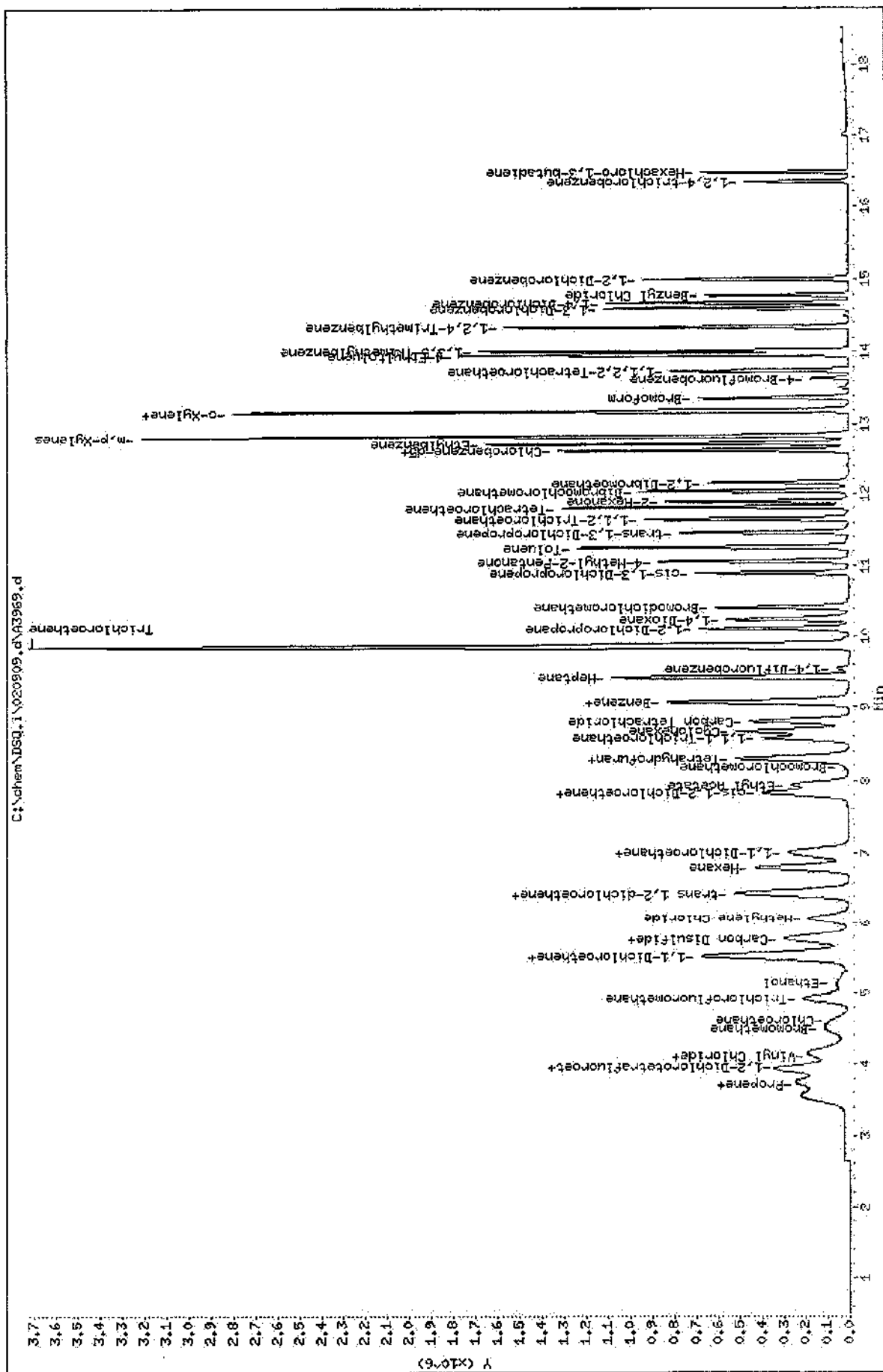
Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/l)	ON-COL (ug/l)
=====	=====	=====	=====	=====	=====		=====	=====
24 Ethyl Acetate	43	7.941	7.941 (0.970)		938850		4.00000	5.44(M)
* 25 Bromochloromethane	49	8.184	8.184 (1.000)		39355		0.40000	
26 Tetrahydrofuran	42	8.291	8.291 (1.013)		438113		4.00000	4.78
27 Chloroform	83	8.295	8.295 (1.014)		527971		4.00000	4.08
28 1,1,1-Trichloroethane	97	8.576	8.576 (1.048)		596579		4.00000	4.00
29 Cyclohexane	56	8.672	8.672 (1.060)		416436		4.00000	4.19
30 Carbon Tetrachloride	117	8.808	8.808 (1.076)		628276		4.00000	3.92
31 Benzene	78	9.078	9.078 (1.109)		1089781		4.00000	4.17
32 1,2-Dichloroethane	62	9.081	9.081 (1.110)		376779		4.00000	4.15
33 Heptane	43	9.424	9.424 (1.151)		850551		4.00000	4.26
* 34 1,4-Difluorobenzene	114	9.539	9.539 (1.000)		82872		0.40000	
35 Trichloroethene	130	9.865	9.865 (1.034)		4398610		4.00000	3.99
36 1,2-Dichloropropane	63	10.118	10.118 (1.061)		364590		4.00000	4.32
37 1,4-Dioxane	88	10.284	10.284 (1.078)		106314		4.00000	4.46
38 Bromodichloromethane	83	10.414	10.414 (1.092)		557255		4.00000	4.31
39 cis-1,3-Dichloropropene	75	10.901	10.901 (1.143)		571119		4.00000	4.52
40 4-Methyl-2-Pentanone	43	11.063	11.063 (1.160)		856629		4.00000	5.15
41 Toluene	91	11.255	11.255 (1.180)		1100065		4.00000	4.45
42 trans-1,3-Dichloropropene	75	11.461	11.461 (1.202)		543603		4.00000	4.60
43 1,1,2-Trichloroethane	97	11.646	11.646 (1.221)		378510		4.00000	4.26
44 Tetrachloroethane	166	11.812	11.812 (1.238)		454298		4.00000	4.17
45 2-Hexanone	43	11.890	11.890 (1.246)		721110		4.00000	5.47
46 Dibromochloromethane	129	12.037	12.037 (1.471)		669388		4.00000	4.28
47 1,2-Dibromoethane	107	12.156	12.156 (1.274)		580169		4.00000	4.31
* 48 Chlorobenzene-d5	117	12.591	12.591 (1.000)		92739		0.40000	
49 Chlorobenzene	112	12.620	12.620 (1.002)		891311		4.00000	3.70
50 Ethylbenzene	91	12.716	12.716 (1.010)		1249551		4.00000	3.94
51 m,p-Xylenes	106	12.820	12.820 (1.018)		1178444		4.00000	8.06
52 o-Xylene	106	13.185	13.185 (1.047)		542226		4.00000	4.10
53 Styrene	104	13.189	13.189 (1.047)		798168		4.00000	4.15
54 Bromoform	173	13.366	13.366 (1.062)		409187		4.00000	3.83
56 1,1,2,2-Tetrachloroethane	83	13.753	13.753 (1.092)		450082		4.00000	3.88
57 4-Ethyltoluene	105	13.967	13.967 (1.109)		1304527		4.00000	4.39
58 1,3,5-Trimethylbenzene	105	14.015	14.015 (1.113)		986397		4.00000	4.02
59 1,2,4-Trimethylbenzene	105	14.344	14.344 (1.139)		969314		4.00000	4.58
60 1,3-Dichlorobenzene	146	14.606	14.606 (1.160)		464491		4.00000	3.98
61 1,4-Dichlorobenzene	146	14.676	14.676 (1.166)		449301		4.00000	3.86
62 Benzyl Chloride	91	14.783	14.783 (1.174)		488735		4.00000	4.54
63 1,2-Dichlorobenzene	146	15.001	15.001 (1.191)		384924		4.00000	3.92
64 1,2,4-trichlorobenzene	180	16.340	16.340 (1.298)		160380		4.00000	4.18
65 Hexachloro-1,3-butadiene	225	16.469	16.469 (1.308)		73780		4.00000	3.57

QC Flag Legend

M - Compound response manually integrated.

Data File: C:\chem\DSQ.1\020909.d\A3969.d
 Date: 09-FEB-2009 13:29
 Client ID:
 Sample Info: 4.opbb T015 Cal
 Column phase: db624

Instrument: DSQ.i
 Operator: Nathan Beach
 Column diameter: 0.53



Method TO-15

Thermo Electron

Instrument ID:

Operator ID:

Page 1 of 1

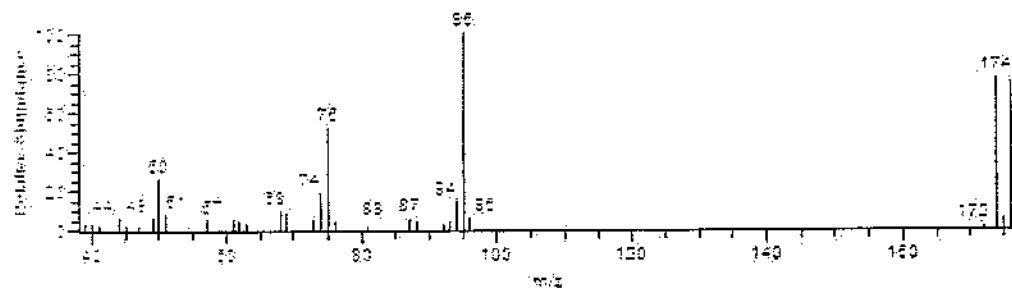
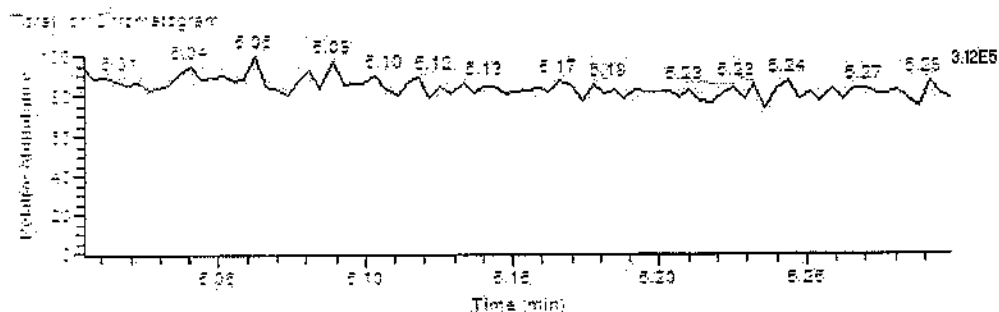
Date Printed: 2/10/2009 2:42:17PM

Data Files: USER IMPORTED DATA - C:\XCALIBUR\DATA\021009\A3980.raw

Acquisition Date(s): 2/10/2009 2:10:30 PM

Mass Spectrum taken at 13.65 minutes.

Comments



m/z	Ion Abundance Criteria	% Relative Abundance	Pass/Fail
50	15 to 40% of m/z 95	26.2	PASS
75	30 to 60% of m/z 95	52.5	PASS
95	Base peak	100.0	PASS
96	5 to 9% of m/z 95	6.0	PASS
173	0 to 2% of m/z 174	0.0	PASS
174	50 to 100% of m/z 95	76.4	PASS
175	5 to 9% of m/z 174	6.1	PASS
176	95 to 101% of m/z 174	97.9	PASS
177	5 to 9% of m/z 176	6.0	PASS

Determined Base Peak: 95 m/z

Paradigm Environmental

Data file : C:\chem\DSQ.i\021009.d\A3981.d
Lab Smp Id:
Inj Date : 10-FEB-2009 14:43
Operator : Nathan Beach Inst ID: DSQ.i
Smp Info : 2.0ppb TO-15 CAL
Misc Info :
Comment :
Method : C:\chem\DSQ.i\021009.d\8260Air3I.m
Meth Date : 10-Feb-2009 13:31 organics Quant Type: ISTD
Cal Date : 09-FEB-2009 15:41 Cal File: A3973.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: ORGREPORT1

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
1 Propene	41	3.726	3.727 (0.456)		149723	1.97801	1.98 (M)
2 Dichlorodifluoromethane	85	3.767	3.775 (0.461)		249347	2.00451	2.00
3 1,2-Dichlorotetrafluoroethane	85	3.918	3.926 (0.479)		323231	1.94626	1.95
4 Chloromethane	50	3.959	4.029 (0.484)		216322	2.14314	2.14 (M)
5 Vinyl Chloride	62	4.106	4.091 (0.502)		139152	2.06298	2.06
6 1,3-Butadiene	39	4.154	4.166 (0.508)		161657	1.87585	1.88
7 Bromomethane	94	4.486	4.528 (0.549)		129339	2.08020	2.08
8 Chloroethane	64	4.627	4.627 (0.566)		89833	2.15817	2.16
9 Trichlorofluoromethane	101	4.918	4.952 (0.602)		334573	2.09506	2.10
10 Ethanol	31	5.147	5.140 (0.629)		54076	2.04461	2.04
11 1,1-Dichloroethene	61	5.516	5.539 (0.675)		195438	2.08586	2.08
12 Freon 113	101	5.520	5.542 (0.675)		325672	2.14583	2.14
13 Acetone	43	5.572	5.590 (0.681)		301291	2.05414	2.05
14 Carbon Disulfide	76	5.789	5.819 (0.708)		502053	1.84163	1.84
15 2-Propanol	45	5.734	5.775 (0.701)		232079	2.36201	2.36
16 Methylene Chloride	84	6.066	6.100 (0.742)		111387	2.23332	2.23
17 trans 1,2-dichloroethene	61	6.431	6.447 (0.787)		184144	2.18009	2.18
18 Methyl tert-Butyl Ether	73	6.442	6.487 (0.788)		378593	2.22108	2.22
19 Hexane	57	6.793	6.823 (0.831)		185109	2.08758	2.09
20 1,1-Dichloroethane	63	6.966	7.004 (0.852)		274895	2.15632	2.16
21 Vinyl Acetate	43	7.033	7.067 (0.860)		381159	2.34711	2.35
22 cis-1,2-Dichloroethene	96	7.811	7.849 (0.955)		147768	2.34688	2.35
23 2-Butanone	43	7.830	7.871 (0.958)		346352	2.36810	2.37

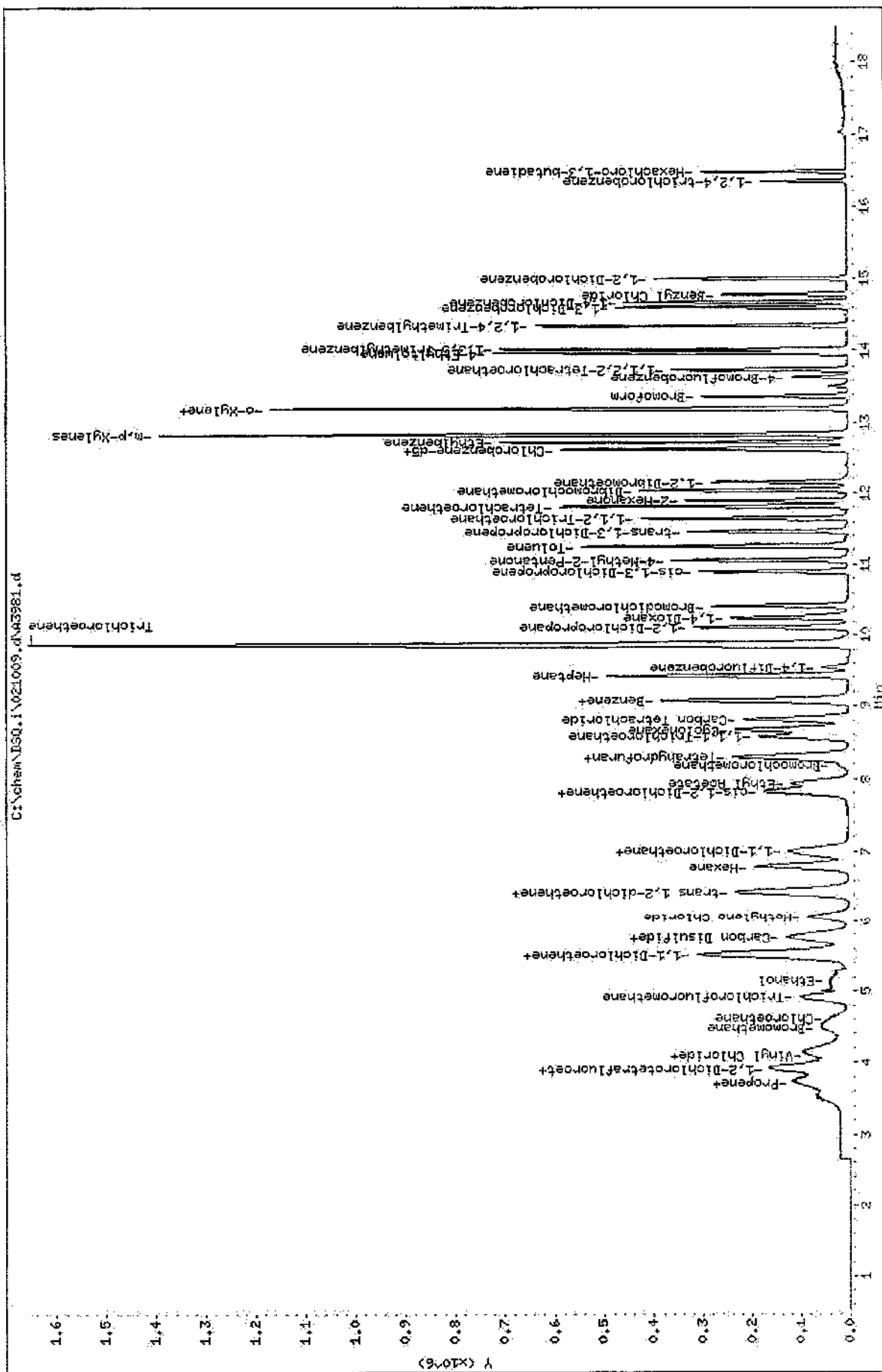
Compounds	QUANT SIG				RESPONSE	CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT		ON-COLUMN (ug/l)	FINAL (ppbv)
24 Ethyl Acetate	43	7.933	7.960	(0.970)	401571	2.13262	2.13(M)
* 25 Bromochloromethane	49	8.177	8.207	(1.000)	35717	0.40000	
26 Tetrahydrofuran	42	8.291	8.332	(1.014)	192333	2.40125	2.40
27 Chloroform	83	8.299	8.318	(1.015)	242235	2.15345	2.15
28 1,1,1-Trichloroethane	97	8.579	8.591	(1.049)	280057	2.16576	2.16
29 Cyclohexane	56	8.664	8.701	(1.060)	184972	2.14160	2.14
30 Carbon Tetrachloride	117	8.808	8.845	(1.077)	293424	2.11340	2.11
31 Benzene	78	9.073	9.093	(1.110)	490059	2.15779	2.16
32 1,2-Dichloroethane	62	9.081	9.096	(1.111)	179299	2.27198	2.27
33 Heptane	43	9.424	9.447	(1.153)	368155	2.12025	2.12
* 34 1,4-Difluorobenzene	114	9.539	9.565	(1.000)	75998	0.40000	
35 Trichloroethene	130	9.865	9.883	(1.034)	2053078	2.03286	2.03
36 1,2-Dichloropropane	63	10.111	10.130	(1.060)	165328	2.13604	2.14
37 1,4-Dioxane	88	10.281	10.314	(1.078)	49342	10.1328	10.1
38 Bromodichloromethane	83	10.413	10.432	(1.092)	248533	2.09497	2.09
39 cis-1,3-Dichloropropene	75	10.901	10.919	(1.143)	241172	2.08012	2.08
40 4-Methyl-2-Pentanone	43	11.059	11.078	(1.159)	355561	2.33281	2.33
41 Toluene	91	11.251	11.263	(1.180)	482797	2.12975	2.13
42 trans-1,3-Dichloropropene	75	11.461	11.473	(1.202)	233661	2.15699	2.16
43 1,1,2-Trichloroethane	97	11.642	11.658	(1.221)	173341	2.12544	2.12
44 Tetrachloroethene	166	11.808	11.823	(1.238)	207085	2.07078	2.07
45 2-Hexanone	43	11.890	11.905	(1.246)	300595	2.48571	2.48
46 Dibromochloromethane	129	12.037	12.052	(1.472)	297777	2.18780	2.19
47 1,2-Dibromoethane	107	12.155	12.159	(1.374)	255875	2.07466	2.07
* 48 Chlorobenzene-d5	117	12.594	12.606	(1.000)	77256	0.40000	
49 Chlorobenzene	112	12.620	12.632	(1.002)	388245	1.93480	1.93
50 Ethylbenzene	91	12.712	12.724	(1.009)	532093	2.01324	2.01
51 m,p-Xylenes	106	12.819	12.827	(1.018)	507404	4.17747	4.18
52 o-Xylene	106	13.185	13.189	(1.047)	226918	2.06106	2.06
53 Styrene	104	13.188	13.204	(1.047)	335563	2.09474	2.09
54 Bromoform	173	13.366	13.377	(1.061)	178429	2.00446	2.00
56 1,1,2,2-Tetrachloroethane	83	13.753	13.761	(1.092)	199292	2.01832	2.02
57 4-Ethyltoluene	105	13.967	13.975	(1.109)	529676	2.14124	2.14
58 1,3,5-Trimethylbenzene	105	14.015	14.023	(1.113)	403151	1.96342	1.96
59 1,2,4-Trimethylbenzene	105	14.343	14.352	(1.139)	381507	2.16284	2.16
60 1,3-Dichlorobenzene	146	14.606	14.614	(1.160)	196183	2.01851	2.02
61 1,4-Dichlorobenzene	146	14.676	14.687	(1.165)	192103	1.98335	1.98
62 Benzyl Chloride	91	14.779	14.798	(1.173)	194497	2.16872	2.17
63 1,2-Dichlorobenzene	146	14.997	15.012	(1.191)	163889	2.00539	2.00
64 1,2,4-trichlorobenzene	180	16.340	16.363	(1.297)	62345	4.56875	4.57
65 Hexachloro-1,3-butadiene	225	16.469	16.484	(1.308)	33529	3.71326	3.71

QC Flag Legend

M - Compound response manually integrated.

Data File: C:\chem\1009\1021009.d\43381.d
 Date: 10-FEB-2009 14:43
 Client: ID:
 Sample Info: 2.0ppb 10-15 C61
 Column phase: db624

Instrument: ISQ.1
 Operator: Nathan Beach
 Column diameter: 0.53



Paradigm Environmental

Data file : C:\chem\DSQ.i\021009.d\A3982.d
Lab Smp Id:
Inj Date : 10-FEB-2009 15:20
Operator : Nathan Beach
Smp Info : Method Blank
Misc Info :
Comment :
Method : C:\chem\DSQ.i\021009.d\8260Air3I.m
Meth Date : 10-Feb-2009 13:31 organics
Cal Date : 09-FEB-2009 15:41
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: ORGREPORT1

Inst ID: DSQ.i
Quant Type: ISTD
Cal File: A3973.d
Compound Sublist: all.sub

uol/41

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
1 Propene	41	3.726	3.727 (0.457)		13320	0.19642	0.196(M)
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 1,2-Dichlorotetrafluoroethane	85				Compound Not Detected.		
4 Chloromethane	50				Compound Not Detected.		
5 Vinyl Chloride	62				Compound Not Detected.		
6 1,3-Butadiene	39				Compound Not Detected.		
7 Bromomethane	94				Compound Not Detected.		
8 Chloroethane	64				Compound Not Detected.		
9 Trichlorofluoromethane	101				Compound Not Detected.		
10 Ethanol	31	5.121	5.140 (0.628)		46340	1.65048	1.65(M)
11 1,1-Dichloroethene	61				Compound Not Detected.		
12 Freon 113	101				Compound Not Detected.		
13 Acetone	43	5.568	5.590 (0.683)		334556	2.54596	2.54
14 Carbon Disulfide	76	5.782	5.819 (0.709)		76268	0.31227	0.31227
15 2-Propanol	45	5.727	5.775 (0.702)		32942	0.37423	0.37423
16 Methylene Chloride	84	6.070	6.100 (0.744)		36047	0.80672	0.807
17 trans 1,2-dichloroethene	61				Compound Not Detected.		
18 Methyl tert-Butyl Ether	73				Compound Not Detected.		
19 Hexane	57	6.801	6.823 (0.834)		26597	0.33480	0.335
20 1,1-Dichloroethane	63				Compound Not Detected.		
21 Vinyl Acetate	43				Compound Not Detected.		
22 cis-1,2-Dichloroethene	96				Compound Not Detected.		
23 2-Butanone	43	7.816	7.871 (0.958)		11612	0.08862	0.0886(M)
24 Ethyl Acetate	43				Compound Not Detected.		

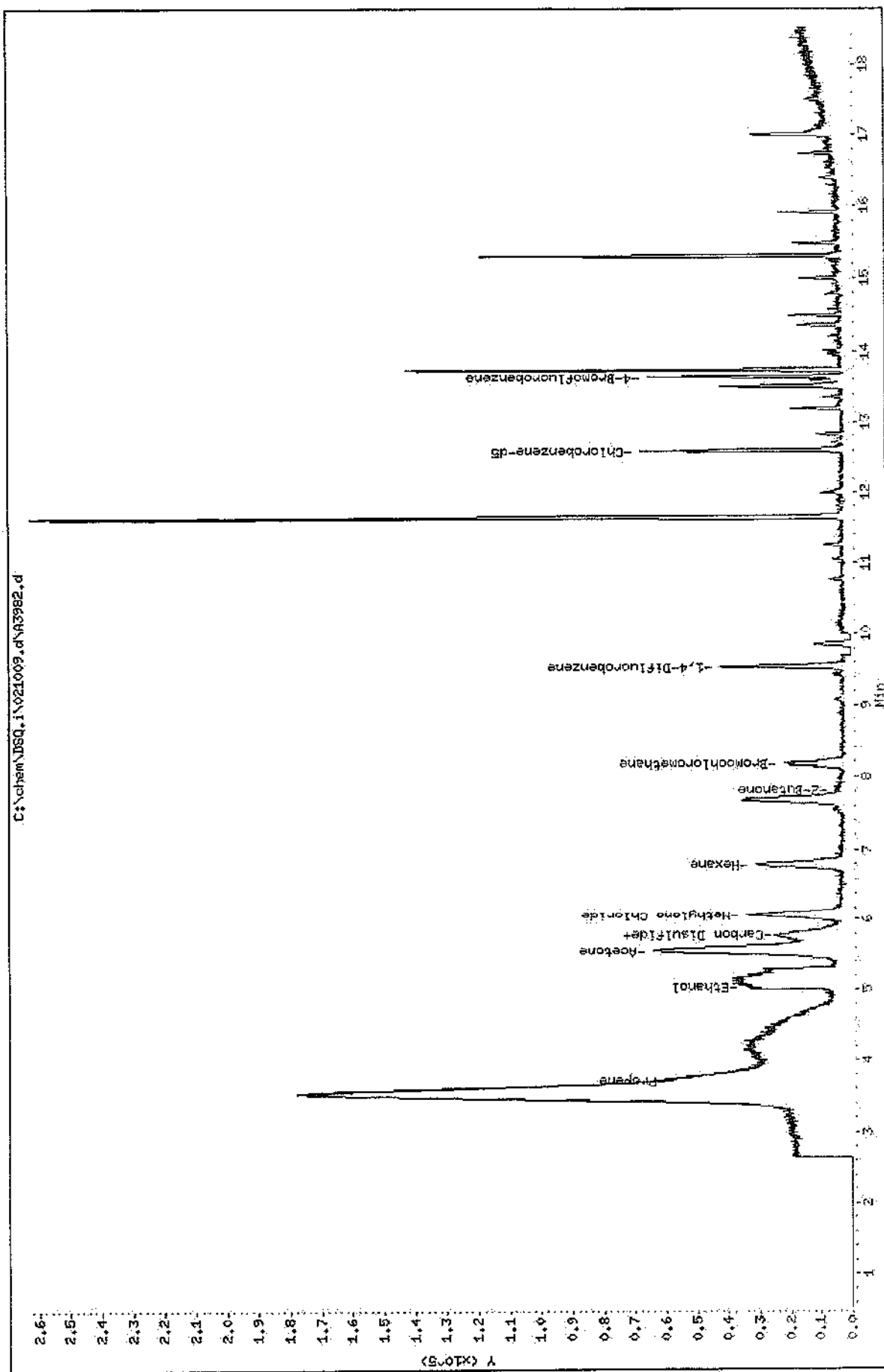
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
* 25 Bromochloromethane	49	8.155	8.207	(1.000)	31999	0.40000	
26 Tetrahydrofuran	42	Compound Not Detected.					
27 Chloroform	83	Compound Not Detected.					
28 1,1,1-Trichloroethane	97	Compound Not Detected.					
29 Cyclohexane	56	Compound Not Detected.					
30 Carbon Tetrachloride	117	Compound Not Detected.					
31 Benzene	78	Compound Not Detected.					
32 1,2-Dichloroethane	62	Compound Not Detected.					
33 Heptane	43	Compound Not Detected.					
* 34 1,4-Difluorobenzene	114	9.542	9.565	(1.000)	63825	0.40000	
35 Trichloroethene	130	Compound Not Detected.					
36 1,2-Dichloropropane	63	Compound Not Detected.					
37 1,4-Dioxane	88	Compound Not Detected.					
38 Bromodichloromethane	83	Compound Not Detected.					
39 cis-1,3-Dichloropropene	75	Compound Not Detected.					
40 4-Methyl-2-Pentanone	43	Compound Not Detected.					
41 Toluene	91	Compound Not Detected.					
42 trans-1,3-Dichloropropene	75	Compound Not Detected.					
43 1,1,2-Trichloroethane	97	Compound Not Detected.					
44 Tetrachloroethene	166	Compound Not Detected.					
45 2-Hexanone	43	Compound Not Detected.					
46 Dibromochloromethane	129	Compound Not Detected.					
47 1,2-Dibromoethane	107	Compound Not Detected.					
* 48 Chlorobenzene-d5	117	12.591	12.606	(1.000)	56069	0.40000	
49 Chlorobenzene	112	Compound Not Detected.					
50 Ethylbenzene	91	Compound Not Detected.					
51 m,p-Xylenes	106	Compound Not Detected.					
52 o-Xylene	106	Compound Not Detected.					
53 Styrene	104	Compound Not Detected.					
54 Bromoform	173	Compound Not Detected.					
56 1,1,2,2-Tetrachloroethane	93	Compound Not Detected.					
57 4-Ethyltoluene	105	Compound Not Detected.					
58 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
59 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
61 1,4-Dichlorobenzene	146	Compound Not Detected.					
62 Benzyl Chloride	91	Compound Not Detected.					
63 1,2-Dichlorobenzene	146	Compound Not Detected.					
64 1,2,4-trichlorobenzene	180	Compound Not Detected.					
65 Hexachloro-1,3-butadiene	225	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: C:\chem\DSQ.i\021009.d\A3982.d
 Date: 10-FEB-2009 15:20
 Client ID:
 Sample Info: Method Blank
 Column phase: db624

Instrument: DSQ.i
 Operator: Nathan Beach
 Column diameter: 0.53



Paradigm Environmental

Data file : C:\chem\DSQ.i\021009.d\A3986.d
Lab Smp Id :
Inj Date : 10-FEB-2009 17:59
Operator : Nathan Beach
Smp Info : Air #2077
Misc Info :
Comment :
Method : C:\chem\DSQ.i\021009.d\8260Air3I.m
Meth Date : 10-Feb-2009 13:31 organics
Cal Date : 09-FEB-2009 15:41
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: ORGREPORT1

Inst ID: DSQ.i

Quant Type: ISTD
Cal File: A3973.d

Compound Sublist: all.sub

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ppbv)
1 Propene	41	3.722	3.727 (0.455)		22131870	228.977	229 (M)
2 Dichlorodifluoromethane	85	3.760	3.775 (0.460)		77168	0.48582	0.486 (M)
3 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
4 Chloromethane	50	4.095	4.029 (0.501)		1260123	9.77678	9.78 (M)
5 Vinyl Chloride	62	Compound Not Detected.					
6 1,3-Butadiene	39	Compound Not Detected.					
7 Bromomethane	94	Compound Not Detected.					
8 Chloroethane	64	Compound Not Detected.					
9 Trichlorofluoromethane	101	4.918	4.952 (0.602)		59780	0.29315	0.293
10 Ethanol	31	5.125	5.140 (0.627)		554567	13.8581	13.8
11 1,1-Dichloroethene	61	Compound Not Detected.					
12 Freon 113	101	5.487	5.542 (0.671)		9922	0.05120	0.0512 (M)
13 Acetone	43	5.546	5.590 (0.679)		5885785	31.4255	31.4 (M)
14 Carbon Disulfide	76	5.775	5.819 (0.707)		514610	1.47831	1.48
15 2-Propanol	45	Compound Not Detected.					
16 Methylene Chloride	84	6.088	6.100 (0.745)		182790	2.87014	2.87
17 trans 1,2-dichloroethane	61	Compound Not Detected.					
18 Methyl tert-Butyl Ether	73	Compound Not Detected.					
19 Hexane	57	6.794	6.823 (0.831)		10391568	91.7764	91.8 (M)
20 1,1-Dichloroethane	63	Compound Not Detected.					
21 Vinyl Acetate	43	Compound Not Detected.					
22 cis-1,2-Dichloroethene	96	Compound Not Detected.					
23 2-Butanone	43	7.819	7.871 (0.957)		447482	2.39603	2.40 (M)
24 Ethyl Acetate	43	Compound Not Detected.					

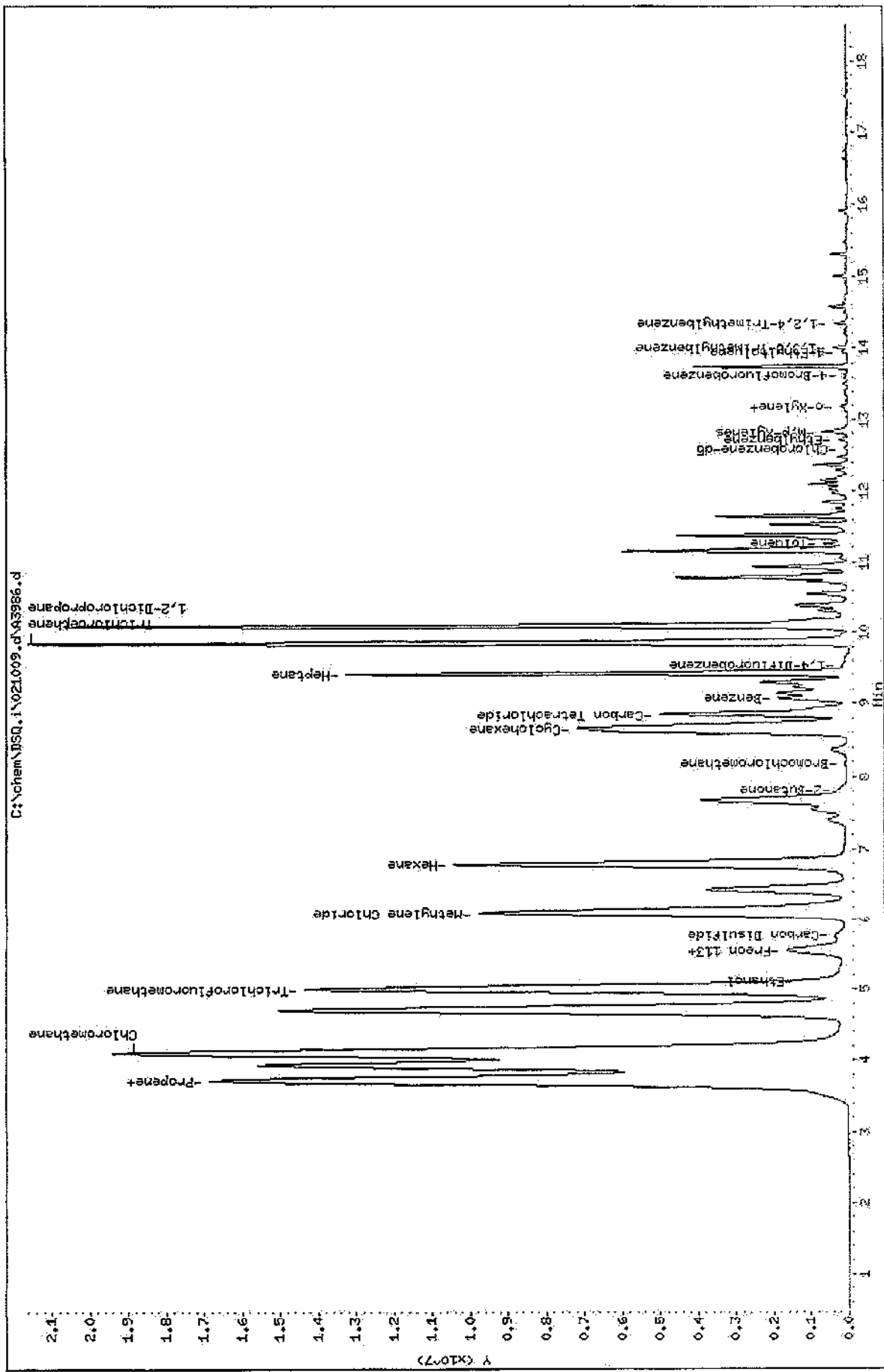
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
* 25 Bromochloromethane	49	8.173	8.207	(1.000)	45608	0.40000	
26 Tetrahydrofuran	42	Compound Not Detected.					
27 Chloroform	83	Compound Not Detected.					
28 1,1,1-Trichloroethane	97	Compound Not Detected.					
29 Cyclohexane	56	8.668	8.701	(1.061)	7872723	71.3823	71.4(A)
30 Carbon Tetrachloride	117	8.801	8.845	(1.077)	161912	0.91327	0.913
31 Benzene	78	9.070	9.093	(1.110)	3319588	11.4467	11.4
32 1,2-Dichloroethane	62	Compound Not Detected.					
33 Heptane	43	9.425	9.447	(1.153)	10914222	49.2247	49.2(A)
* 34 1,4-Difluorobenzene	114	9.539	9.565	(1.000)	94140	0.40000	
35 Trichloroethene	130	9.860	9.883	(1.034)	26829068	21.4457	21.4
36 1,2-Dichloropropane	63	10.100	10.130	(1.059)	68197	0.71131	0.711
37 1,4-Dioxane	88	Compound Not Detected.					
38 Bromodichloromethane	83	Compound Not Detected.					
39 cis-1,3-Dichloropropene	75	Compound Not Detected.					
40 4-Methyl-2-Pentanone	43	Compound Not Detected.					
41 Toluene	91	11.259	11.263	(1.180)	499586	1.77911	1.78
42 trans-1,3-Dichloropropene	75	Compound Not Detected.					
43 1,1,2-Trichloroethane	97	Compound Not Detected.					
44 Tetrachloroethene	166	Compound Not Detected.					
45 2-Hexanone	43	Compound Not Detected.					
46 Dibromochloromethane	129	Compound Not Detected.					
47 1,2-Dibromoethane	107	Compound Not Detected.					
* 48 Chlorobenzene-d5	117	12.595	12.606	(1.000)	77025	0.40000	
49 Chlorobenzene	112	Compound Not Detected.					
50 Ethylbenzene	91	12.716	12.724	(1.010)	91649	0.34780	0.348
51 m,p-Xylenes	106	12.816	12.827	(1.018)	160121	1.32223	1.32
52 o-Xylene	106	13.185	13.189	(1.047)	47123	0.42929	0.429
53 Styrene	104	13.189	13.204	(1.047)	14778	0.09253	0.0925(H)
54 Bromoform	173	Compound Not Detected.					
56 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
57 4-Ethyltoluene	105	13.942	13.975	(1.107)	116689	0.42314	0.473
58 1,3,5-Trimethylbenzene	105	14.012	14.023	(1.113)	56754	0.27861	0.279
59 1,2,4-Trimethylbenzene	105	14.348	14.352	(1.139)	204995	1.16564	1.16
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
61 1,4-Dichlorobenzene	146	Compound Not Detected.					
62 Benzyl Chloride	91	Compound Not Detected.					
63 1,2-Dichlorobenzene	146	Compound Not Detected.					
64 1,2,4-trichlorobenzene	180	Compound Not Detected.					
65 Hexachloro-1,3-butadiene	225	Compound Not Detected.					

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: C:\chem\DSQ.1\021009.d\A3986.d
 Date: 10-FEB-2009 17:59
 Client ID:
 Sample Info: Air #2077
 Column phase: db624

Instrument: DSQ.i
 Operator: Nathan Beach
 Column diameter: 0.53



Paradigm Environmental

Data file : C:\chem\DSQ.i\021009.d\A3987.d

Lab Smp Id:

Inj Date : 10-FEB-2009 18:31

Operator : Nathan Beach

Inst ID: DSQ.i

Smp Info : Air #2078

Misc Info :

Comment :

Method : C:\chem\DSQ.i\021009.d\8260Air3I.m

Meth Date : 10-Feb-2009 13:31 organics Quant Type: ISTD

Cal Date : 09-FEB-2009 15:41 Cal File: A3973.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: ORGREPORT1

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
1 Propene	41	3.737	3.727 (0.457)		433179	5.18218	5.18
2 Dichlorodifluoromethane	85	3.778	3.775 (0.462)		77890	0.56701	0.567 (M)
3 1,2-Dichlorotetrafluoroethane	85				Compound Not Detected.		
4 Chloromethane	50				Compound Not Detected.		
5 Vinyl Chloride	62				Compound Not Detected.		
6 1,3-Butadiene	39				Compound Not Detected.		
7 Bromomethane	94				Compound Not Detected.		
8 Chloroethane	64				Compound Not Detected.		
9 Trichlorofluoromethane	101	4.922	4.952 (0.602)		51691	0.29311	0.293
10 Ethanol	31	5.129	5.140 (0.627)		391303	11.3066	11.3
11 1,1-Dichloroethene	61				Compound Not Detected.		
12 Freon 113	101	5.516	5.542 (0.674)		10993	0.06559	0.0656 (M)
13 Acetone	43	5.564	5.590 (0.680)		2655349	16.3935	16.4
14 Carbon Disulfide	76	5.793	5.819 (0.708)		2145744	7.12746	7.13
15 2-Propanol	45	5.749	5.775 (0.703)		607109	5.59522	5.60
16 Methylene Chloride	84	6.081	6.100 (0.743)		87356	1.58604	1.59
17 trans 1,2-dichloroethene	61				Compound Not Detected.		
18 Methyl tert-Butyl Ether	73				Compound Not Detected.		
19 Hexane	57	6.797	6.823 (0.831)		232342	2.37273	2.37
20 1,1-Dichloroethane	63				Compound Not Detected.		
21 Vinyl Acetate	43				Compound Not Detected.		
22 cis-1,2-Dichloroethene	96	7.823	7.845 (0.956)		151607	2.18039	2.18
23 2-Butanone	43	7.841	7.871 (0.958)		279868	1.73290	1.73
24 Ethyl Acetate	43				Compound Not Detected.		

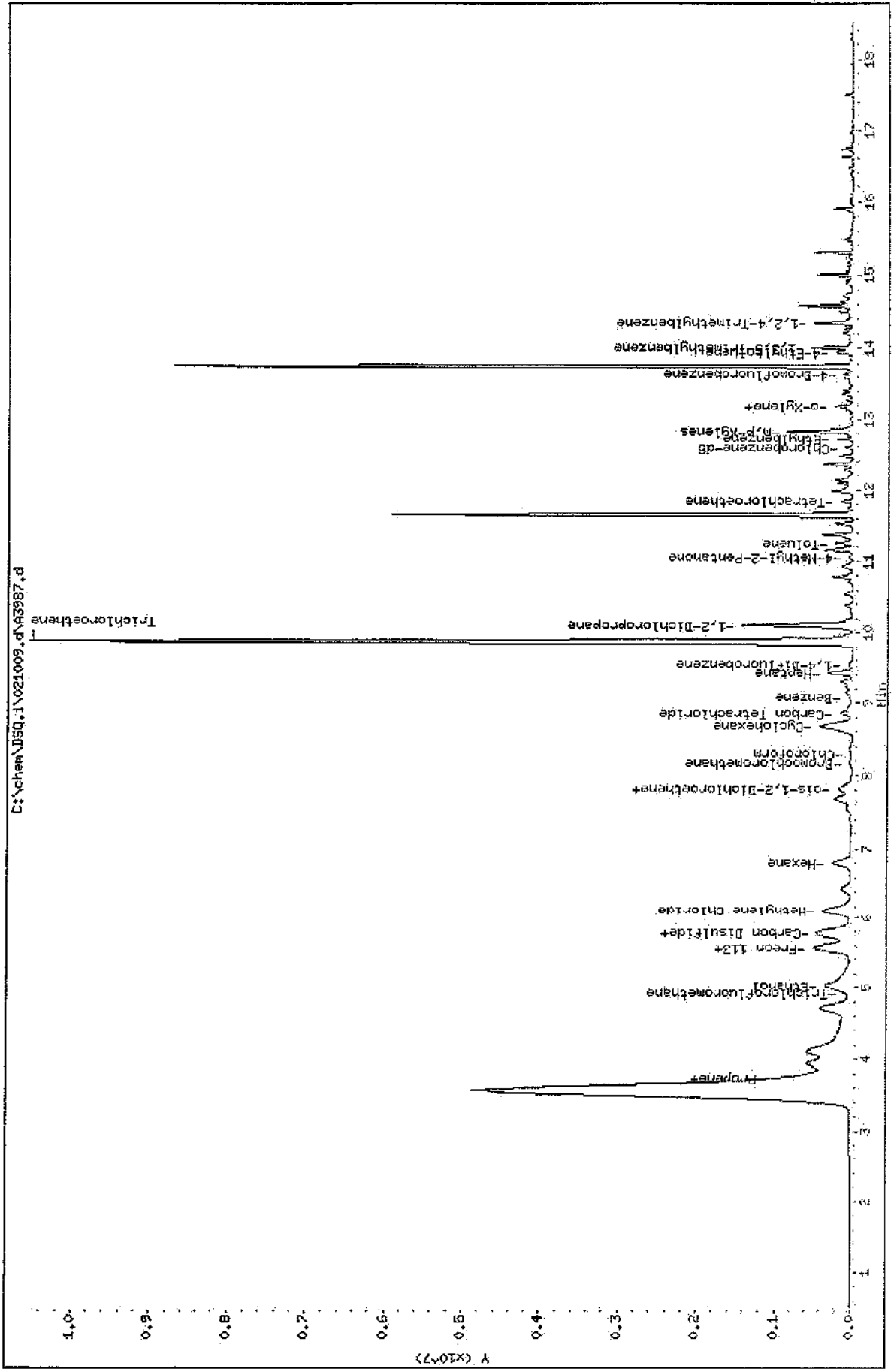
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
* 25 Bromochloromethane	49	8.181	8.207	(1.000)	39443	0.40000	
26 Tetrahydrofuran	42	Compound Not Detected.					
27 Chloroform	83	8.306	8.318	(1.015)	12944	0.10420	0.104
28 1,1,1-Trichloroethane	97	Compound Not Detected.					
29 Cyclohexane	56	8.686	8.701	(1.062)	426785	4.47451	4.47
30 Carbon Tetrachloride	117	8.819	8.845	(1.078)	18241	0.11897	0.119
31 Benzene	78	9.081	9.093	(1.110)	70443	0.28087	0.281
32 1,2-Dichloroethane	62	Compound Not Detected.					
33 Heptane	43	9.428	9.447	(1.152)	267466	1.39486	1.39
* 34 1,4-Difluorobenzene	114	9.550	9.565	(1.000)	81419	0.40000	
35 Trichloroethene	130	9.865	9.883	(1.033)	13150625	12.1543	12.2
36 1,2-Dichloropropane	63	10.100	10.130	(1.058)	5391	0.06501	0.065
37 1,4-Dioxane	88	Compound Not Detected.					
38 Bromodichloromethane	83	Compound Not Detected.					
39 cis-1,3-Dichloropropene	75	Compound Not Detected.					
40 4-Methyl-2-Pentanone	43	11.056	11.078	(1.158)	29861	0.18287	0.183
41 Toluene	91	11.255	11.263	(1.179)	208284	0.85762	0.858
42 trans-1,3-Dichloropropene	75	Compound Not Detected.					
43 1,1,2-Trichloroethane	97	Compound Not Detected.					
44 Tetrachloroethene	166	11.816	11.823	(1.237)	4804	0.04484	0.0448
45 2-Hexanone	43	Compound Not Detected.					
46 Dibromochloromethane	129	Compound Not Detected.					
47 1,2-Dibromoethane	107	Compound Not Detected.					
* 48 Chlorobenzene-d5	117	12.591	12.606	(1.000)	71328	0.40000	
49 Chlorobenzene	112	Compound Not Detected.					
50 Ethylbenzene	91	12.713	12.724	(1.010)	115724	0.47425	0.474
51 m,p-Xylenes	106	12.820	12.827	(1.018)	206073	1.83761	1.84
52 o-Xylene	106	13.185	13.189	(1.047)	63844	0.62808	0.628
53 Styrene	104	13.189	13.204	(1.047)	19387	0.13108	0.131
54 Bromoform	173	Compound Not Detected.					
56 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
57 4-Ethyltoluene	105	13.941	13.975	(1.107)	172443	0.75505	0.755
58 1,3,5-Trimethylbenzene	105	14.015	14.023	(1.113)	84609	0.44853	0.448
59 1,2,4-Trimethylbenzene	105	14.344	14.352	(1.135)	306985	1.88500	1.88
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
61 1,4-Dichlorobenzene	146	Compound Not Detected.					
62 Benzyl Chloride	91	Compound Not Detected.					
63 1,2-Dichlorobenzene	146	Compound Not Detected.					
64 1,2,4-trichlorobenzene	180	Compound Not Detected.					
65 Hexachloro-1,3-butadiene	225	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: C:\chem\DSQ.1\021009.d\A3987.d
 Date: 10-FEB-2009 18:31
 Client ID:
 Sample Info: Air #2078
 Column phase: db624

Instrument: DSQ.i
 Operator: Nathan Beach
 Column diameter: 0.53



Paradigm Environmental

Data file : C:\chem\DSQ.i\021009.d\A3988.d
Lab Smp Id:
Inj Date : 10-FEB-2009 19:03
Operator : Nathan Beach
Smp Info : Air #2079
Misc Info :
Comment :
Method : C:\chem\DSQ.i\021009.d\8260Air3I.m
Meth Date : 10-Feb-2009 13:31 organics Quant Type: ISTD
Cal Date : 09-FEB-2009 15:41 Cal File: A3973.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: ORGREPORT1
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
1 Propene	41	3.722	3.727 (0.455)		3491474	39.8388	39.8 (M)
2 Dichlorodifluoromethane	85	3.772	3.775 (0.461)		86081	0.59768	0.598 (M)
3 1,2-Dichlorotetrafluoroethane	85				Compound Not Detected.		
4 Chloromethane	50	3.944	4.029 (0.482)		103763	0.88787	0.888 (M)
5 Vinyl Chloride	62				Compound Not Detected.		
6 1,3-Butadiene	39				Compound Not Detected.		
7 Bromomethane	94				Compound Not Detected.		
8 Chloroethane	64				Compound Not Detected.		
9 Trichlorofluoromethane	101	4.918	4.952 (0.601)		52889	0.26604	0.285
10 Ethanol	31	5.133	5.140 (0.627)		1000633	27.5770	27.6
11 1,1-Dichloroethene	61				Compound Not Detected.		
12 Freon 113	101	5.505	5.542 (0.673)		10398	0.05917	0.0592
13 Acetone	43	5.561	5.590 (0.680)		2778452	16.3608	16.4
14 Carbon Disulfide	76	5.797	5.819 (0.709)		131060	0.41522	0.415
15 2-Propanol	45	5.745	5.775 (0.702)		646436	5.68235	5.68
16 Methylene Chloride	84	6.088	6.100 (0.744)		110979	1.92183	1.92
17 trans 1,2-dichloroethene	61				Compound Not Detected.		
18 Methyl tert-Butyl Ether	73				Compound Not Detected.		
19 Hexane	57	6.797	6.823 (0.831)		2168664	21.1235	21.1
20 1,1-Dichloroethane	63				Compound Not Detected.		
21 Vinyl Acetate	43				Compound Not Detected.		
22 cis-1,2-Dichloroethene	96	7.823	7.849 (0.956)		8031	0.11016	0.110
23 2-Butanone	43	7.838	7.871 (0.958)		239612	1.41498	1.41 (M)
24 Ethyl Acetate	43				Compound Not Detected.		

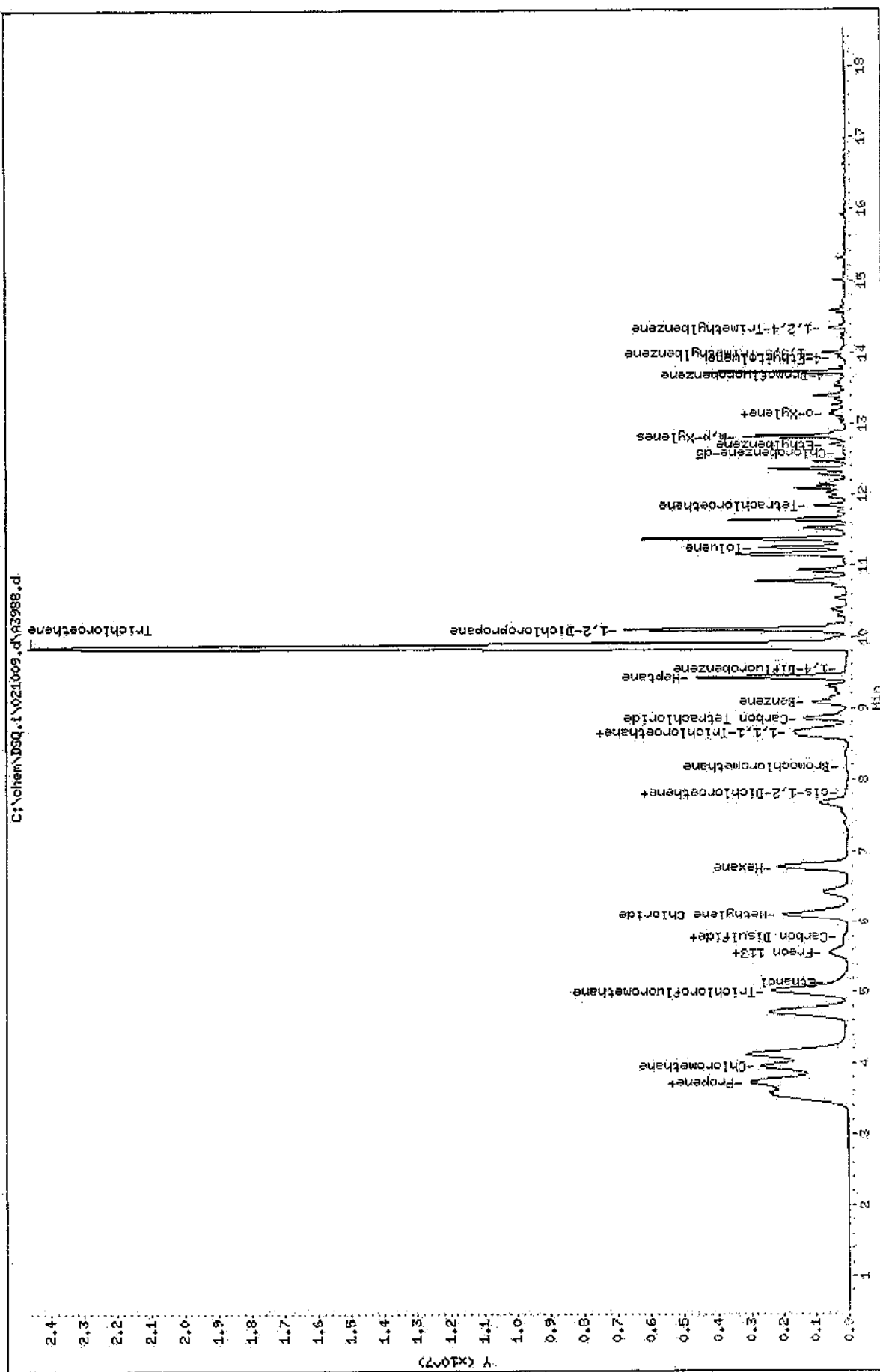
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
* 25 Bromochloromethane	49	8.181	8.207	(1.000)	41354	0.40000	
26 Tetrahydrofuran	42	Compound Not Detected.					
27 Chloroform	83	Compound Not Detected.					
28 1,1,1-Trichloroethane	97	8.583	8.591	(1.049)	67658	0.45190	0.452
29 Cyclohexane	56	8.668	8.701	(1.060)	1847111	18.4706	18.5
30 Carbon Tetrachloride	117	8.816	8.845	(1.078)	29201	0.18165	0.182
31 Benzene	78	9.081	9.093	(1.110)	1951383	7.42098	7.42
32 1,2-Dichloroethane	62	Compound Not Detected.					
33 Heptane	43	9.428	9.447	(1.152)	3697809	18.3933	18.4
* 34 1,4-Difluorobenzene	114	9.543	9.565	(1.000)	91835	0.40000	
35 Trichloroethene	130	9.866	9.883	(1.034)	38645258	31.6662	31.7 (A)
36 1,2-Dichloropropane	83	10.104	10.130	(1.059)	22174	0.23706	0.23
37 1,4-Dioxane	88	Compound Not Detected.					
38 Bromodichloromethane	83	Compound Not Detected.					
39 cis-1,3-Dichloropropene	75	Compound Not Detected.					
40 4-Methyl-2-Pentanone	43	Compound Not Detected.					
41 Toluene	91	11.259	11.263	(1.180)	2453125	8.95524	8.96
42 trans-1,3-Dichloropropene	75	Compound Not Detected.					
43 1,1,2-Trichloroethane	97	Compound Not Detected.					
44 Tetrachloroethene	166	11.809	11.823	(1.237)	24951	0.20648	0.206
45 2-Hexanone	43	Compound Not Detected.					
46 Dibromochloromethane	129	Compound Not Detected.					
47 1,2-Dibromoethane	107	Compound Not Detected.					
* 48 Chlorobenzene-d5	117	12.591	12.606	(1.000)	84278	0.40000	
49 Chlorobenzene	112	Compound Not Detected.					
50 Ethylbenzene	91	12.713	12.724	(1.010)	140522	0.48738	0.487
51 m,p-Xylenes	106	12.816	12.827	(1.018)	308078	2.32508	2.32
52 o-Xylene	106	13.185	13.189	(1.047)	78627	0.65465	0.655
53 Styrene	104	13.189	13.204	(1.047)	19339	0.11066	0.111
54 Bromoform	173	Compound Not Detected.					
56 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
57 4-Ethyltoluene	105	13.942	13.975	(1.107)	150969	0.55945	0.559
58 1,3,5-Trimethylbenzene	105	14.015	14.023	(1.113)	77020	0.34556	0.346
59 1,2,4-Trimethylbenzene	105	14.344	14.352	(1.139)	317761	1.65136	1.65
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
61 1,4-Dichlorobenzene	146	Compound Not Detected.					
62 Benzyl Chloride	91	Compound Not Detected.					
63 1,2-Dichlorobenzene	146	Compound Not Detected.					
64 1,2,4-trichlorobenzene	180	Compound Not Detected.					
65 Hexachloro-1,3-butadiene	225	Compound Not Detected.					

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: C:\chem\DSQ.i\021009.d\N3988.d
Date: 10-FEB-2009 19:03
Client ID:
Sample Info: Air #2079
Column phase: db624

Instrument: DSQ.i
Operator: Nathan Beach
Column diameter: 0.53



Canister Cleaning Log

Date	Cleaning Cycles	Canister	GC/MS Tested	Pass / Fail	Initials
11/14/08	3	C-1001			SL
		C-1029			
		C-1025			
		C-1012			
		C-1073			
		C-1008			
		C-1022			
		C-1002			
		C-1007			
		C-1019			
		C-1021			
		C-1028	✓	P	
		C-1003	✓	P	
		C-1020	✓	P	✓
12/1/08		C-1014			SL
		C-1000			
		C-1003			
		C-1016	✓	P	
		C-1018	✓	P	
		C-1013			
		C-1011			
		C-1024			
		C-1033			
		C-1032			
		C-1030			
		C-1075			
		C-0000	✓	F	ok not used for field.
		C-1004			
		C-1006			
		C-1012			
		C-1006			
		C-1009			
		C-1017			
		C-1020			

Volatile Analysis Report for Air

 Client: **SJB**

Client Job Site: AEI

Lab Project Number: 09-0485

Lab Sample Number: Can Blank C-1016

Client Job Number: N/A

Field Location: N/A

Field ID Number: N/A

Sample Type: Air

Date Sampled: N/A

Date Received: N/A

Date Analyzed: 12/12/2008

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.103	ND< 0.682
Bromoform	ND< 0.103	ND< 1.05
Bromomethane	ND< 0.103	ND< 0.396
Carbon Tetrachloride	ND< 0.0410	ND< 0.255
Chlorethane	ND< 0.205	ND< 0.537
Chloroform	ND< 0.103	ND< 0.497
Chloromethane	ND< 0.103	ND< 0.211
Dibromochloromethane	ND< 0.103	ND< 0.868
1,2 Dibromoethane	ND< 0.103	ND< 0.784
1,1-Dichloroethane	ND< 0.103	ND< 0.413
1,1-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloroethane	ND< 0.103	ND< 0.413
cis-1,2-Dichloroethene	ND< 0.103	ND< 0.404
trans-1,2-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloropropane	ND< 0.205	ND< 0.939
cis-1,3-Dichloropropene	ND< 0.103	ND< 0.463
trans-1,3-Dichloropropene	ND< 0.103	ND< 0.463
Methylene Chloride	1.24	4.26
1,1,2,2-Tetrachloroethane	ND< 0.103	ND< 0.699
Tetrachloroethene	ND< 0.103	ND< 0.691
1,1,1-Trichloroethane	ND< 0.103	ND< 0.556
1,1,2-Trichloroethane	ND< 0.103	ND< 0.556
Trichloroethene	ND< 0.0482	ND< 0.256
Trichlorofluoromethane	ND< 0.103	ND< 0.573
Freon 113	ND< 0.103	ND< 0.784
Vinyl Chloride	ND< 0.103	ND< 0.261

Aromatics	PPBv	ug / m3
Benzene	ND< 0.103	ND< 0.329
Chlorobenzene	ND< 0.103	ND< 0.472
Ethylbenzene	ND< 0.103	ND< 0.447
Toluene	ND< 0.103	ND< 0.388
m,p-Xylene	ND< 0.103	ND< 0.447
o-Xylene	ND< 0.103	ND< 0.447
Styrene	ND< 0.103	ND< 0.438
1,2-Dichlorobenzene	ND< 0.103	ND< 0.615
1,3-Dichlorobenzene	ND< 0.103	ND< 0.615
1,4-Dichlorobenzene	ND< 0.103	ND< 0.615

Ketones	PPBv	ug / m3
Acetone	2.04	4.84
2-Butanone	ND< 0.513	ND< 1.51
2-Hexanone	ND< 0.513	ND< 2.10
4-Methyl-2-Pentanone	ND< 0.513	ND< 2.10

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	ND< 0.513	ND< 1.59
Methyl-tert-Butyl Ether	ND< 0.103	ND< 0.371
Vinyl Acetate	ND< 0.103	ND< 0.362

ELAP Number 10958

Method: EPA TO-15

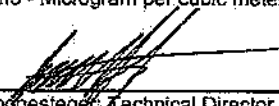
Data File: A3868.d

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume

ug / m3 - Microgram per cubic meter.

Signature:


 Bruce Hodgesteger, Technical Director

This report is part of a multiple document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

090485Q1.XLS

**Volatile Analysis Report for Air**Client: **SJB**

Client Job Site: AEI

Client Job Number: N/A

Field Location: N/A

Field ID Number: N/A

Sample Type: Air

Lab Project Number: 09-0485

Lab Sample Number: Can Blank C-1018

Date Sampled: N/A

Date Received: N/A

Date Analyzed: 12/12/2008

Halocarbons	PPBv	ug / m3
Bromodichloromethane	ND< 0.103	ND< 0.682
Bromoform	ND< 0.103	ND< 1.05
Bromomethane	ND< 0.103	ND< 0.396
Carbon Tetrachloride	ND< 0.0410	ND< 0.255
Chlorethane	ND< 0.205	ND< 0.537
Chloroform	ND< 0.103	ND< 0.497
Chloromethane	ND< 0.103	ND< 0.211
Dibromochloromethane	ND< 0.103	ND< 0.868
1,2-Dibromoethane	ND< 0.103	ND< 0.784
1,1-Dichloroethane	ND< 0.103	ND< 0.413
1,1-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloroethane	ND< 0.103	ND< 0.413
cis-1,2-Dichloroethene	ND< 0.103	ND< 0.404
trans-1,2-Dichloroethene	ND< 0.103	ND< 0.404
1,2-Dichloropropane	ND< 0.205	ND< 0.939
cis-1,3-Dichloropropene	ND< 0.103	ND< 0.463
trans-1,3-Dichloropropene	ND< 0.103	ND< 0.463
Methylene Chloride	0.976	3.35
1,1,2,2-Tetrachloroethane	ND< 0.103	ND< 0.699
Tetrachloroethene	ND< 0.103	ND< 0.691
1,1,1-Trichloroethane	ND< 0.103	ND< 0.556
1,1,2-Trichloroethane	ND< 0.103	ND< 0.556
Trichloroethene	ND< 0.0482	ND< 0.266
Trichlorofluoromethane	ND< 0.103	ND< 0.573
Freon 113	ND< 0.103	ND< 0.784
Vinyl Chloride	ND< 0.103	ND< 0.261

ELAP Number 10958

Method: EPA TO-15

Data File: A3868.d

Aromatics	PPBv	ug / m3
Benzene	ND< 0.103	ND< 0.329
Chlorobenzene	ND< 0.103	ND< 0.472
Ethylbenzene	ND< 0.103	ND< 0.447
Toluene	ND< 0.103	ND< 0.388
m,p-Xylene	ND< 0.103	ND< 0.447
o-Xylene	ND< 0.103	ND< 0.447
Styrene	ND< 0.103	ND< 0.438
1,2-Dichlorobenzene	ND< 0.103	ND< 0.615
1,3-Dichlorobenzene	ND< 0.103	ND< 0.615
1,4-Dichlorobenzene	ND< 0.103	ND< 0.615

Ketones	PPBv	ug / m3
Acetone	1.27	3.01
2-Butanone	ND< 0.513	ND< 1.51
2-Hexanone	ND< 0.513	ND< 2.10
4-Methyl-2-Pentanone	ND< 0.513	ND< 2.10

Miscellaneous	PPBv	ug / m3
Carbon Disulfide	ND< 0.513	ND< 1.59
Methyl-tert-Butyl Ether	ND< 0.103	ND< 0.371
Vinyl Acetate	ND< 0.103	ND< 0.362

Comments: ND denotes Non Detect

PPBv = Parts per Billion volume

ug / m3 - Microgram per cubic meter.

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

090485Q2.XLS

Paradigm Environmental

Data file : C:\chem\DSQ.i\121208.d\A3868.d
Lab Smp Id:
Inj Date : 12-DEC-2008 13:15
Operator : Nathan Beach
Smp Info : Can C-1016
Misc Info : *Batch Clean Verification*
Comment :
Method : C:\chem\DSQ.i\121208.d\8260Air3I.m
Meth Date : 30-Nov-2008 12:01 organics Quant Type: ISTD
Cal Date : 24-NOV-2008 16:45 Cal File: A3661.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: ORGREPORT1
Compound Sublist: all.sub

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

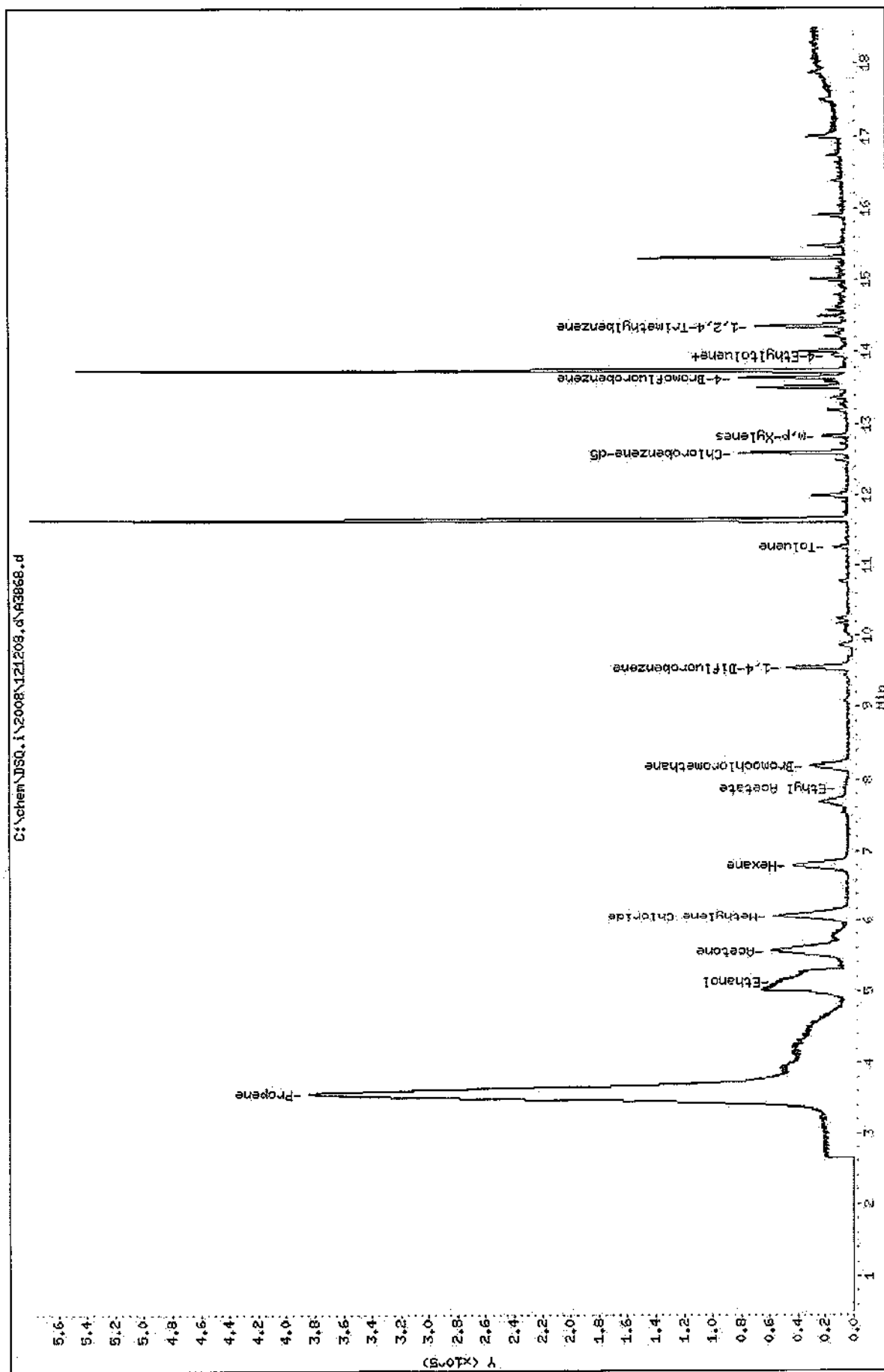
Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ug/l)	(ppbv)
-----	----	----	-----	-----	-----	-----	-----
1 Propene	41	3.667	3.686 (0.448)		3759	0.05763	0.0576 <i>int</i>
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 1,2-Dichlorotetrafluoroethane	85				Compound Not Detected.		
4 Chloromethane	50				Compound Not Detected.		
5 Vinyl Chloride	62				Compound Not Detected.		
6 1,3-Butadiene	39				Compound Not Detected.		
7 Bromomethane	94				Compound Not Detected.		
8 Chloroethane	64				Compound Not Detected.		
9 Trichlorofluoromethane	101				Compound Not Detected.		
10 Ethanol	31	5.136	5.298 (0.627)		84247	2.29633	2.30 <i>int</i>
11 1,1-Dichloroethene	61				Compound Not Detected.		
12 Freon 113	101				Compound Not Detected.		
13 Acetone	43	5.561	5.566 (0.679)		283113	1.99120	1.99 <i>int</i>
14 Carbon Disulfide	76				Compound Not Detected.		
15 2-Propanol	45				Compound Not Detected.		
16 Methylene Chloride	84	6.074	6.059 (0.741)		68389	1.21228	1.21 <i>int</i>
17 trans 1,2-dichloroethene	61				Compound Not Detected.		
18 Methyl tert-Butyl Ether	73				Compound Not Detected.		
19 Hexane	57	6.812	6.808 (0.832)		45343	0.43721	0.437 <i>int</i>
20 1,1-Dichloroethane	63				Compound Not Detected.		
21 Vinyl Acetate	43				Compound Not Detected.		
22 cis-1,2-Dichloroethene	96				Compound Not Detected.		
23 2-Butanone	43				Compound Not Detected.		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
24 Ethyl Acetate	43	7.834	7.933 (0.956)		9615	0.05152	0.0515 <i>nt</i>
* 25 Bromochloromethane	49	8.192	8.195 (1.000)		45133	0.40000	
26 Tetrahydrofuran	42		Compound Not Detected.				
27 Chloroform	83		Compound Not Detected.				
28 1,1,1-Trichloroethane	97		Compound Not Detected.				
29 Cyclohexane	56		Compound Not Detected.				
30 Carbon Tetrachloride	117		Compound Not Detected.				
31 Benzene	78		Compound Not Detected.				
32 1,2-Dichloroethane	62		Compound Not Detected.				
33 Heptane	43		Compound Not Detected.				
* 34 1,4-Difluorobenzene	114	9.546	9.546 (1.000)		72835	0.40000	
35 Trichloroethene	130		Compound Not Detected.				
36 1,2-Dichloropropane	53		Compound Not Detected.				
37 1,4-Dioxane	88		Compound Not Detected.				
38 Bromodichloromethane	93		Compound Not Detected.				
39 cis-1,3-Dichloropropene	75		Compound Not Detected.				
40 4-Methyl-2-Pentanone	43		Compound Not Detected.				
41 Thiourea	91	11.255	11.259 (1.179)		10570	0.04724	0.0472 <i>OR</i>
42 trans-1,3-Dichloropropene	75		Compound Not Detected.				
43 1,1,1-Trichloroethane	97		Compound Not Detected.				
44 Tetrachloroethene	156		Compound Not Detected.				
45 2-Hexanone	43		Compound Not Detected.				
46 Dibromochloromethane	129		Compound Not Detected.				
47 1,2-Dibromoethane	107		Compound Not Detected.				
* 48 Chlorobenzene-d5	117	12.535	12.595 (1.000)		62839	0.40000	
49 Chlorobenzene	112		Compound Not Detected.				
50 Ethylbenzene	91		Compound Not Detected.				
51 m,p-Xylenes	106	12.820	12.820 (1.018)		5795	0.05467	0.0547 <i>OR</i>
52 o-Xylene	106		Compound Not Detected.				
53 Styrene	104		Compound Not Detected.				
54 Bromoform	173		Compound Not Detected.				
55 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				
57 4-Ethyltoluene	105	13.941	13.964 (1.107)		12278	0.05283	0.0528 <i>nt</i>
58 1,3,5-Trimethylbenzene	105	13.941	14.015 (1.107)		11929	0.06847	0.0685
59 1,2,4-Trimethylbenzene	105	14.351	14.340 (1.139)		34274	0.20170	0.202
60 1,3-Dichlorobenzene	146		Compound Not Detected.				
61 1,4-Dichlorobenzene	146		Compound Not Detected.				
62 Benzyl Chloride	91		Compound Not Detected.				
63 1,2-Dichlorobenzene	146		Compound Not Detected.				
64 1,2,4-trichlorobenzene	180		Compound Not Detected.				
65 Hexachloro-1,3-butadiene	225		Compound Not Detected.				

Data File: C:\chem\DSQ.i\2008\121208.d\A3868.d
 Date: 12-DEC-2008 13:15
 Client ID:
 Sample Info: Can C-1016
 Column phase: db624

Instrument: DSQ.i
 Operator: Nathan Beach
 Column diameter: 0.53



Paradigm Environmental

Data file : C:\chem\DSQ.i\121208.d\A3869.d
Lab Smp Id:
Inj Date : 12-DEC-2008 13:47
Operator : Nathan Beach
Smp Info : Can C-1018
Misc Info :
Comment : *Batch Clean Verification*
Method : C:\chem\DSQ.i\121208.d\8260Air3I.m
Meth Date : 30-Nov-2008 12:01 organics
Cal Date : 24-NOV-2008 16:45
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: ORGREPORT1

Inst ID: DSQ.i
Quant Type: ISTD
Cal File: A3661.d
Compound Sublist: all.sub

100/1

Concentration Formula: Amt * DF * 400/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vs	400.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
1 Propene	41	3.737	3.686 (0.457)		2479	0.04030	0.0403
2 Dichlorodifluoromethane	35				Compound Not Detected.		
3 1,2-Dichlorotetrafluoroethane	85				Compound Not Detected.		
4 Chloromethane	50				Compound Not Detected.		
5 Vinyl Chloride	62				Compound Not Detected.		
6 1,3-Butadiene	39				Compound Not Detected.		
7 Bromomethane	94				Compound Not Detected.		
8 Chloroethane	64				Compound Not Detected.		
9 Trichlorofluoromethane	101				Compound Not Detected.		
10 Ethanol	31	5.092	5.298 (0.623)		13899	0.40170	0.402
11 1,1-Dichloroethene	61				Compound Not Detected.		
12 Freon 113	102				Compound Not Detected.		
13 Acetone	43	5.564	5.568 (0.681)		166484	1.24157	1.24
14 Carbon Disulfide	76	5.797	5.775 (0.709)		21522	0.08769	0.087
15 2-Propanol	45	5.756	5.767 (0.704)		5419	0.05701	0.0570
16 Methylene Chloride	84	6.084	6.059 (0.744)		50663	0.95225	0.952
17 trans 1,2-dichloroethene	61				Compound Not Detected.		
18 Methyl tert-Butyl Ether	73				Compound Not Detected.		
19 Hexane	57	6.808	6.808 (0.833)		37275	0.38110	0.381
20 1,1-Dichloroethane	63				Compound Not Detected.		
21 Vinyl Acetate	43				Compound Not Detected.		
22 cis-1,2-Dichloroethene	96				Compound Not Detected.		
23 2-Butanone	43				Compound Not Detected.		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ppbv)
24 Ethyl Acetate	43				Compound Not Detected.		
* 25 Bromochloromethane	49	8.173	8.195	(1.000)	42565	0.40000	
26 Tetrahydrofuran	42				Compound Not Detected.		
27 Chloroform	83				Compound Not Detected.		
28 1,1,1-Trichloroethane	97				Compound Not Detected.		
29 Cyclohexane	56				Compound Not Detected.		
30 Carbon Tetrachloride	117				Compound Not Detected.		
31 Benzene	78				Compound Not Detected.		
32 1,2-Dichloroethane	62				Compound Not Detected.		
33 Heptane	43				Compound Not Detected.		
* 34 1,4-Difluorobenzene	114	9.545	9.546	(1.000)	69226	0.40000	
35 Trichloroethene	130				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 1,4-Dioxane	88				Compound Not Detected.		
38 Bromodichloromethane	83				Compound Not Detected.		
39 cis-1,3-Dichloropropene	75				Compound Not Detected.		
40 4-Methyl-2-Pentanone	43				Compound Not Detected.		
41 Toluene	91				Compound Not Detected.		
42 trans-1,3-Dichloropropene	75				Compound Not Detected.		
43 1,1,2-Trichloroethane	97				Compound Not Detected.		
44 Tetrachloroethene	166				Compound Not Detected.		
45 2-Hexanone	43				Compound Not Detected.		
46 Dibromochloromethane	129				Compound Not Detected.		
47 1,2-Dibromoethane	107				Compound Not Detected.		
* 48 Chlorobenzene-d5	117	12.590	12.595	(1.000)	60936	0.40000	
49 Chlorobenzene	112				Compound Not Detected.		
50 Ethylbenzene	91				Compound Not Detected.		
51 m,p-Xylenes	106				Compound Not Detected.		
52 o-Xylene	106				Compound Not Detected.		
53 Styrene	104				Compound Not Detected.		
54 Bromoform	173				Compound Not Detected.		
56 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
57 4-Ethyltoluene	105				Compound Not Detected.		
58 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
59 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
61 1,4-Dichlorobenzene	146				Compound Not Detected.		
62 Benzyl Chloride	91				Compound Not Detected.		
63 1,2-Dichlorobenzene	146				Compound Not Detected.		
64 1,2,4-trichlorobenzene	180				Compound Not Detected.		
65 Hexachloro-1,3-Butadiene	225				Compound Not Detected.		

Data File: C:\chem\MSQ.1\2008\12\208.d\A3869.d

Date: 12-DEC-2008 13:47

Client ID:

Sample Info: Can C-1018

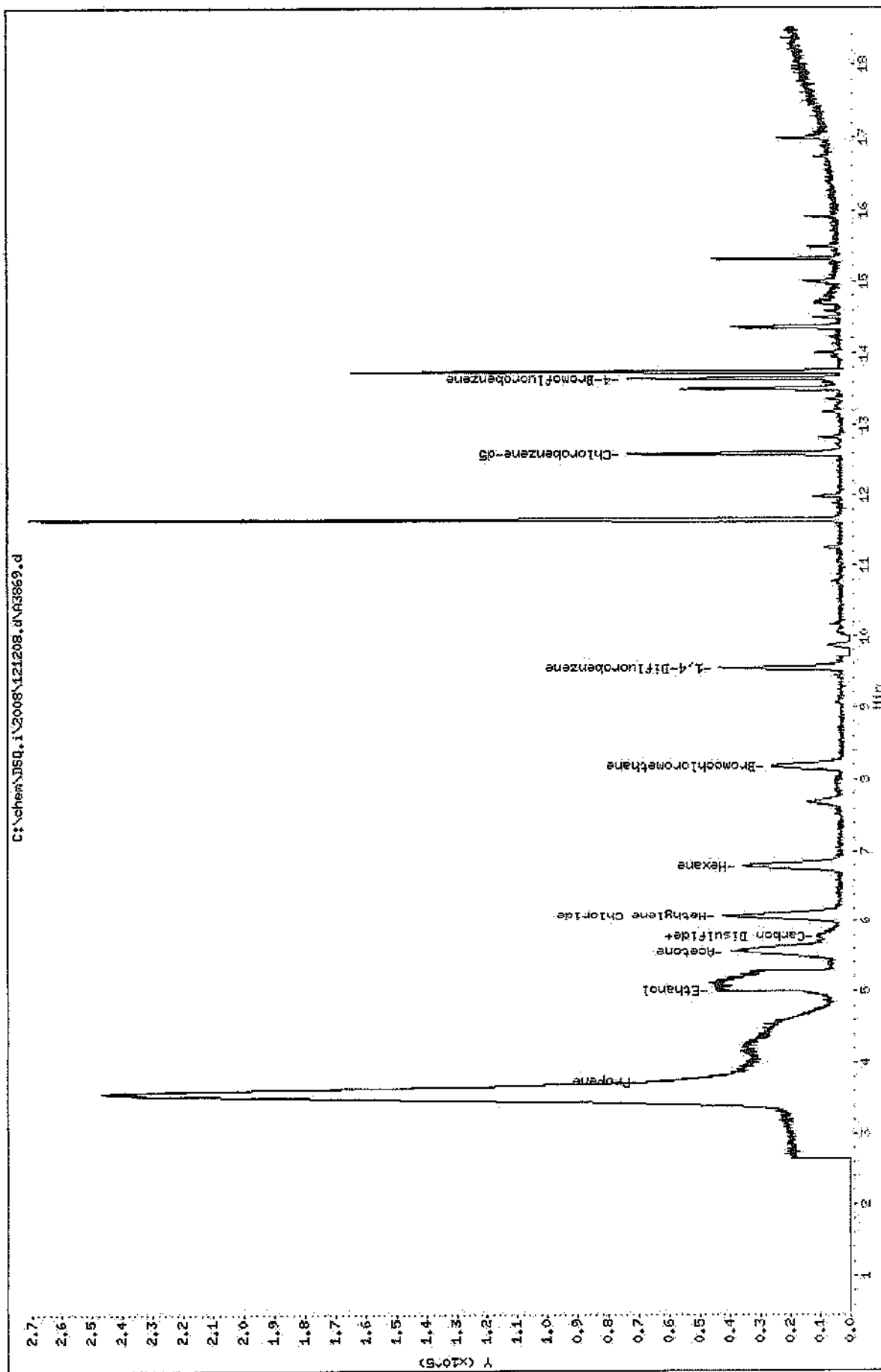
Column phase: db624

Instrument: MSQ.1

Operator: Nathan Beach

Column diameter: 0.53

Page 1





Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Paradigm Environmental
179 Lake Ave
Rochester, NY 14608 USA

5462A
JD

**CERTIFICATE
OF
ANALYSIS**

SGI ORDER # :	136548	CYLINDER # :	AB-2198
ITEM# :	1	CYLINDER PRES:	1800 psig
CERTIFICATION DATE:	09/29/2008	CYLINDER VALVE:	CGA 180
P.O.# :	56371-Restek	PRODUCT EXPIRATION DATE:	09/29/2009
BLEND TYPE:	CERTIFIED		

ANALYTICAL ACCURACY: +/-5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	1.00 ppm	1.02 ppm
1,4-Difluorobenzene	1.00 ppm	1.04 ppm
Chlorobenzene-d5	1.00 ppm	1.04 ppm
4-Bromofluorobenzene	1.00 ppm	1.03 ppm
Nitrogen	Balance	Balance

PART NUMBER: 34408

ANALYST:

Matthew Booth
Matthew Booth

DATE: 09/29/2008



Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

8110

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Paradigm Environmental
179 Lake Ave.
Rochester, NY 14608

PAGE: 1 of 3

CERTIFICATE OF ANALYSIS

SGI ORDER #: 129252
ITEM#: 1
CERTIFICATION DATE: 05/07/2008
P.O.#: 54152-Restek
BLEND TYPE: CERTIFIED

CYLINDER #: AB-20332
CYLINDER PRES: 1800 psig
CYLINDER VALVE: CGA 180
PRODUCT EXPIRATION DATE: 05/07/2009

ANALYTICAL ACCURACY: +5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	1.00 ppm	1.04 ppm
Freon-12	1.00 ppm	0.99 ppm
Chloromethane	1.00 ppm	0.99 ppm
Freon-114	1.00 ppm	1.00 ppm
Vinyl Chloride	1.00 ppm	0.99 ppm
1,3-Butadiene	1.00 ppm	1.01 ppm
Bromomethane	1.00 ppm	1.00 ppm
Chloroethane	1.00 ppm	0.99 ppm
Ethanol (Analytical Accuracy +/- 10%)	1.00 ppm	0.94 ppm
Acrolein (Analytical Accuracy +/- 10%)	1.00 ppm	1.10 ppm
Acetone	1.00 ppm	1.05 ppm
Freon-11	1.00 ppm	1.01 ppm
Isopropyl Alcohol	1.00 ppm	1.06 ppm
1,1-Dichloroethene	1.00 ppm	1.10 ppm
Carbon Disulfide (Analytical Accuracy +/- 10%)	1.00 ppm	1.03 ppm
Methylene Chloride	1.00 ppm	1.09 ppm
Freon-113	1.00 ppm	1.08 ppm
Trans-1,2-Dichloroethene	1.00 ppm	1.03 ppm
1,1-Dichloroethane	1.00 ppm	1.08 ppm
Methyl Tert Butyl Ether	1.00 ppm	1.05 ppm
Vinyl Acetate	1.00 ppm	1.03 ppm
Methyl Ethyl Ketone	1.00 ppm	1.06 ppm
Cis-1,2-Dichloroethene	1.00 ppm	1.08 ppm
Hexane	1.00 ppm	1.08 ppm
Chloroform	1.00 ppm	0.99 ppm
Ethyl Acetate	1.00 ppm	0.99 ppm
Tetrahydrofuran	1.00 ppm	1.03 ppm
1,2-Dichloroethane	1.00 ppm	1.06 ppm
1,1,1-Trichloroethane	1.00 ppm	1.05 ppm
Benzene	1.00 ppm	1.06 ppm



Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

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179 Lake Ave.
Rochester, NY 14608

PAGE: 2 of 3

CERTIFICATE OF ANALYSIS

SGI ORDER # :	129252	CYLINDER # :	AB-20332
ITEM# :	1	CYLINDER PRES:	1800 psig
CERTIFICATION DATE:	05/07/2008	CYLINDER VALVE:	CGA 180
P.O.# :	54152-Restek	PRODUCT EXPIRATION DATE:	05/07/2009
BLEND TYPE:	CERTIFIED		

ANALYTICAL ACCURACY: +5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Carbon Tetrachloride	1.00 ppm	1.05 ppm
Cyclohexane	1.00 ppm	1.05 ppm
1,2-Dichloropropane	1.00 ppm	1.06 ppm
Trichloroethylene	1.00 ppm	0.99 ppm
Bromodichloromethane	1.00 ppm	0.99 ppm
1,4-Dioxane	1.00 ppm	0.99 ppm
Methyl Methacrylate	1.00 ppm	1.01 ppm
Heptane	1.00 ppm	1.04 ppm
Cis-1,3-Dichloropropene	1.00 ppm	1.03 ppm
Methyl Isobutyl Ketone	1.00 ppm	1.05 ppm
Trans-1,3-Dichloropropene	1.00 ppm	1.10 ppm
1,1,2-Trichloroethane	1.00 ppm	1.05 ppm
Toluene	1.00 ppm	1.08 ppm
Methyl Butyl Ketone	1.00 ppm	1.05 ppm
Dibromochloromethane	1.00 ppm	1.03 ppm
1,2-Dibromoethane	1.00 ppm	1.07 ppm
Tetrachloroethylene	1.00 ppm	1.04 ppm
Chlorobenzene	1.00 ppm	1.06 ppm
Ethylbenzene	1.00 ppm	1.05 ppm
p-xylene	1.00 ppm	1.04 ppm
m-xylene	1.00 ppm	1.04 ppm
Bromoform	1.00 ppm	1.04 ppm
Styrene	1.00 ppm	1.07 ppm
o-xylene	1.00 ppm	1.05 ppm
1,1,2,2-Tetrachloroethane	1.00 ppm	1.05 ppm
4-Ethyltoluene	1.00 ppm	1.05 ppm
1,3,5-Trimethylbenzene	1.00 ppm	1.06 ppm
1,2,4-Trimethylbenzene	1.00 ppm	1.06 ppm
1,3-Dichlorobenzene	1.00 ppm	1.05 ppm
Benzyl Chloride (Analytical Accuracy +/- 10%)	1.00 ppm	1.05 ppm



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ISO 9001:2000

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PAGE: 3 of 3

**CERTIFICATE
OF
ANALYSIS**

SGI ORDER #:	129252	CYLINDER #:	AB-20332
ITEM#:	1	CYLINDER PRES:	1800 psig
CERTIFICATION DATE:	05/07/2008	CYLINDER VALVE:	CGA 180
P.O.#:	54152-Restek	PRODUCT EXPIRATION DATE:	05/07/2009
BLEND TYPE:	CERTIFIED		

ANALYTICAL ACCURACY: $\pm 5\%$

COMPONENT	REQUESTED GAS CONC	ANALYSIS
1,4-Dichlorobenzene	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	1.00 ppm	1.04 ppm
1,2,4-Trichlorobenzene	1.00 ppm	1.04 ppm
Hexachloro-1,3-Butadiene	1.00 ppm	1.05 ppm
Nitrogen	Balance	Balance

PART NUMBER: 34436

ANALYST: *Lou Lorenzetti*
Lou Lorenzetti

DATE: 05/07/2008

ATTACHMENT C

NYSDOH SOIL VAPOR INTRUSION DOCUMENT

**NYSDOH Guidance Document is not included in this report
copy and is available upon request**